NAPA TOOLS & EQUIPMENT

20-3369
Weatherly #800
Supersedes 20-3124 &
20-3315



PRODUCT CATALOG 2016-17

3M Science. Applied to Life.™



3M™ File Belt Sander

Tight spot? No problem!

Your “go to” power tool for hard-to-reach areas

Use it to clean and prep brake calipers, wheel rims, steering knuckles and much more!

Here’s a great way to save time, money, and your knuckles! The new 3M™ File Belt Sander is designed to get you into tight places where ordinary sanders can’t go. Ideal for tough detail work such as cleaning, deburring, blending and finishing on a wide variety of metals.

This professional-grade tool is optimized for use with high-performance 3M™ Cubitron™ II and Scotch-Brite™ abrasive belts. Together, the 3M file belt sander and matching abrasives give you a complete system, designed to make tough cleaning and prepping chores a breeze!

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See the 3M File Belt System in action!

Check out our latest video at
3mcollision.com/FileBeltTool
3mauto.com/FileBeltTool
or call 1-877-840-8533

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Challenger Lifts
NAPA
BRAKE SERVICE

HAND TOOLS

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WARNING: Always wear approved eye protection when using impact sockets.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE by NAPA

153 PC. AUTOMOTIVE / LIGHT TRUCK MASTER SET

The Carlyle® Automotive/Light Truck Master Set contains the most commonly used tools in the business. This kit includes the drive tools and wrenches you need to get the job done right the first time. Carlyle tools are designed and built to last for years using the finest materials, and with balance and precision workmanship you'll be proud to call your own.

Features

- 100 1/4", 3/8" & 1/2" Drive tools
- 14 Combination wrenches
- 39 Additional hand and service tools

CHT **MTS153**

SEE PAGE 4 FOR CONTENTS LISTING.



223 PC. ADVANCED AUTOMOTIVE MASTER SET

The Carlyle® Advanced Automotive Master Set includes just about everything you'll need as a serious automotive technician, and nothing you don't. Building on our Automotive/Light Truck set with deeper coverage of sockets, adapters, reducers, and extensions, this is the perfect foundation set to get your career started on the right foot.

Features

- 146 1/4", 3/8", & 1/2" drive tools
- 22 Combination wrenches
- 55 Additional hand and service tools

CHT **MTS223**

SEE PAGE 4 FOR CONTENTS LISTING.



WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE NAPA

329 PC. MEDIUM DUTY MASTER SET

Make an impact with the Carlyle® Medium Duty master set. This set starts with our Advanced Automotive master set and adds our most popular (and incredibly powerful) 1/2 in. drive air impact wrench and high quality impact sockets. Rounding it out is a wide variety of additional drive and striking tools.

Features

- 197 1/4", 3/8" & 1/2" Drive tools including impact sockets
- 33 Combination & specialty wrenches
- 98 Additional hand and service tools

CHT **MTS329**

SEE PAGE 4 FOR CONTENTS LISTING.



433 PC. MASTER TECHNICIAN MASTER SET

The Master Technician's set includes everything packed in our Medium Duty master set, and takes it to the next level. With additional fastener sizes, thread repair, basic electrical, brake service, and torque tools, this is the set for techs and students who demand master-level coverage. With this set – you want it? You've got it!

Features

- 229 1/4", 3/8", & 1/2" Drive tools and accessories
- 33 Combination & specialty wrenches
- 143 Additional hand and service tools

CHT **MTS433**

SEE PAGE 4 FOR CONTENTS LISTING.



WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE® MASTER SET CONTENTS

Item No.	Description	*CHT* MT5S153 153 Pc. Set	*CHT* MTS223 223 Pc. Set	*CHT* MTS329 329 Pc. Set	*CHT* MTS433 433 Pc. Set
CHT **SS14012**	12 Pc. 1/4" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS14009**	9 Pc. 1/4" Dr. 6 Pt. Socket Set, SAE	•			
CHT **SS14014M**	14 Pc. 1/4" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS14010M**	10 Pc. 1/4" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD14009**	9 Pc. 1/4" Dr. 6 Pt. Deep Socket Set, SAE			•	•
CHT **SSD14010M**	10 Pc. 1/4" Dr. 6 Pt. Deep Socket Set, Metric			•	•
CHT **R14TD**	1/4" Dr. Teardrop Ratchet	•	•	•	•
CHT **DH14**	1/4" Dr. Driver Handle	•	•	•	•
CHT **FH14**	1/4" Dr. Flex Handle				•
CHT **SH14**	1/4" Dr. Speed Handle				•
CHT **EXT1402**	1/4" Dr. Extension, 2"	•	•	•	•
CHT **EXT1406**	1/4" Dr. Extension, 6"	•	•	•	•
CHT **UNIV14**	1/4" Dr. Universal Joint	•	•	•	•
CHT **ADP1438**	1/4" Dr. Adapter, 1/4"F x 3/8"M		•	•	•
CHT **SS38015**	15 Pc. 3/8" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS38009**	9 Pc. 3/8" Dr. 6 Pt. Socket Set, SAE	•			
CHT **SS38019M**	19 Pc. 3/8" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS38012M**	12 Pc. 3/8" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD38014**	14 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, SAE		•	•	•
CHT **SSD38009**	9 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, SAE	•			
CHT **SSD38019M**	19 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, Metric		•	•	•
CHT **SSD38012M**	12 Pc. 3/8" Dr. 6 Pt. Deep Socket Set, Metric	•			
CHT **SSP3820**	3/8" Dr. 5/8" Spark Plug Socket			•	•
CHT **SSP3826**	3/8" Dr. 13/16" Spark Plug Socket			•	•
CHT **R38TD**	3/8" Dr. Teardrop Ratchet	•	•	•	•
CHT **R38F**	3/8" Dr. Flexible Teardrop Ratchet			•	•
CHT **FH38**	3/8" Dr. Breaker Bar	•	•	•	•
CHT **SH38**	3/8" Dr. Speed Handle				•
CHT **EXT3803**	3/8" Dr. 3" Extension	•	•	•	•
CHT **EXT3806**	3/8" Dr. 6" Extension	•	•	•	•
CHT **ADP3812**	Adapter, 3/8" F to 1/2" M		•	•	•
CHT **ADP3814**	Reducer, 3/8" M to 1/4" F		•	•	•
CHT **UNIV38**	3/8" Dr. Universal Joint	•	•	•	•
CHT **SS12013**	13 Pc. 1/2" Dr. 6 Pt. Socket Set, SAE	•	•	•	•
CHT **SS12006**	6 Pc. 1/2" Dr. 6 Pt. Socket Set, SAE		•	•	•
CHT **SS12015M**	15 Pc. 1/2" Dr. 6 Pt. Socket Set, Metric		•	•	•
CHT **SS12010M**	10 Pc. 1/2" Dr. 6 Pt. Socket Set, Metric	•			
CHT **SSD12013**	13 Pc. 1/2" Dr. 6 Pt. Deep Socket Set, SAE				•
CHT **SSD12015M**	15 Pc. 1/2" Dr. 6 Pt. Deep Socket Set, Metric				•
NPT **61-0307**	13 Pc. 1/2" Dr. 6 Pt. Impact Socket Set, SAE			•	•
NPT **61-0302**	14 Pc. 1/2" Dr. 6 Pt. Impact Socket, Metric			•	•
CHT **BSH42**	42 Pc. 1/4" & 3/8" Dr. Master Hex Bit Socket Set				•
CHT **BST13**	13 Pc. 1/4", 3/8" & 1/2" Dr. Star Bit Socket Set		•	•	•
CHT **R12TD**	1/2" Dr. Teardrop Ratchet	•	•	•	•
CHT **R12FQR**	1/2" Dr. Flexible Teardrop Ratchet			•	•
CHT **FH1215**	1/2" Dr. Breaker Bar, 15"	•	•	•	•
CHT **SH12**	1/2" Dr, Speed Handle				•
CHT **EXT1203**	1/2" Dr. Extension, 3"	•	•	•	•
CHT **EXT1206**	1/2" Dr. Extension, 6"	•	•	•	•
CHT **EXT1210**	1/2" Dr. Extension, 10"	•	•	•	•
CHT **UNIV12**	1/2" Dr. Universal Joint	•	•	•	•
CHT **CW1211**	11 Pc. 12 Pt. Combination Wrench, SAE		•	•	•
CHT **CW1207**	7 Pc. 12 Pt. Combination Wrench, SAE	•			
CHT **CW1211M**	11 Pc. 12 Pt. Combination Wrench, Metric		•	•	•
CHT **CW1207M**	7 Pc. 12 Pt. Combination Wrench, Metric	•			
CHT **FNW5M**	5 Pc. Flarenut Wrench Set, Metric			•	•
CHT **FNW5**	5 Pc. Flarenut Wrench Set, SAE			•	•
CHT **AW12**	12" Adjustable Wrench			•	•
CHT **TW12TD1**	1/2" Dr. Torque Wrench, 30 - 250 ft-lbs.				•
CHT **PSA4**	4 Pc. Pliers Set		•	•	•
CHT **PSA3**	3 Pc. Pliers Set	•			
CHT **GJP10**	10" Groove Joint Pliers			•	•
SER **3151**	Interchangeable/Quick Switch Retaining Ring Pliers		•	•	•
CHT **SDS8**	8 Pc. Combination Screwdriver Set	•	•	•	•
CHT **RDBS19**	19 in 1 Ratcheting Driver Bit		•	•	•
CHT **NDS7M**	7 Pc. Metric Nut Driver Set, Metric			•	•
CHT **NDS7**	7 Pc. SAE Nut Driver Set, SAE			•	•
CHT **HKLS22**	22 Pc. Long Hex Key Set, SAE/Metric	•	•	•	•
CHT **HWBP16**	16 oz. Ball-Peen Hammer, Wood	•	•	•	•
CHT **HSF2**	Soft Face Hammer	•	•	•	•
BK **314**	14 Pc. Punch & Chisel			•	•
SER **3987-02**	1" Offset Scraper	•	•	•	•
BK **HDG-12**	12" Dual Grip Hacksaw	•	•	•	•
SER **161**	Deluxe Feeler Gauge			•	•
SER **166**	Spark Plug Gap Wire Gauge			•	•
BK **972**	40-Piece SAE & Metric Thread Restorer Kit				•
NPT **6-767**	Impact Wrench - 1/2" w/Magnesium Housing			•	•
BK **700-2601**	NAPA Basic Digital Meter				•
SER **77-4003**	Brake Pad Spreader				•
SER **3011**	Tape Measure, 16 ft.	•	•	•	•
SER **2054**	Safety Glasses	•	•	•	•
SER **HTC-2**	2 1/4" Inspection Mirror			•	•
SER **2281**	Magnetic Pick Up Tool			•	•
SER **CHP-4L**	9 3/4" Four Pc. Hook and Pick Set			•	•
NTH **90-674**	Adapter 1/4" MNPT, Industrial			•	•
SER **41701**	Battery Service Kit			•	•

Exact set configurations can be found at carlyletools.com.



AIT **10-915A**



SAE MET

107 PC. 1/4, 3/8 AND 1/2 IN. DR. SOCKET SET

AIT **15-524A**

Contents

Item No.	Description
AIT **10-010**	1/4" Dr. 6 Pt. Std. Skt. 5/16"
AIT **10-011**	1/4" Dr. 6 Pt. Std. Skt. 11/32"
AIT **10-005A**	1/4" Dr. 6 Pt. Std. Skt. 5/32"
AIT **10-006A**	1/4" Dr. 6 Pt. Std. Skt. 3/16"
AIT **10-007A**	1/4" Dr. 6 Pt. Std. Skt. 7/32"
AIT **10-008A**	1/4" Dr. 6 Pt. Std. Skt. 1/4"
AIT **10-009A**	1/4" Dr. 6 Pt. Std. Skt. 9/32"
AIT **10-012A**	1/4" Dr. 6 Pt. Std. Skt. 3/8"
AIT **10-014A**	1/4" Dr. 6 Pt. Std. Skt. 7/16"
AIT **10-016A**	1/4" Dr. 6 Pt. Std. Skt. 1/2"
AIT **10-206A**	1/4" Dr. 6 Pt. Deep Skt. 3/16"
AIT **10-207A**	1/4" Dr. 6 Pt. Deep Skt. 7/32"
AIT **10-208A**	1/4" Dr. 6 Pt. Deep Skt. 1/4"
AIT **10-212A**	1/4" Dr. 6 Pt. Deep Skt. 3/8"
AIT **10-214A**	1/4" Dr. 6 Pt. Deep Skt. 7/16"
AIT **10-210A**	1/4" Dr. 6 Pt. Deep Skt. 5/16"
AIT **10-211A**	1/4" Dr. 6 Pt. Deep Skt. 11/32"
AIT **37-004A**	1/4" Dr. 6 Pt. Std. Skt. 4mm
AIT **37-005A**	1/4" Dr. 6 Pt. Std. Skt. 5mm
AIT **37-010A**	1/4" Dr. 6 Pt. Std. Skt. 10mm
AIT **37-011A**	1/4" Dr. 6 Pt. Std. Skt. 11mm
AIT **37-006A**	1/4" Dr. 6 Pt. Std. Skt. 6mm
AIT **37-007A**	1/4" Dr. 6 Pt. Std. Skt. 7mm
AIT **37-008A**	1/4" Dr. 6 Pt. Std. Skt. 8mm
AIT **37-012A**	1/4" Dr. 6 Pt. Std. Skt. 12mm
AIT **37-013A**	1/4" Dr. 6 Pt. Std. Skt. 13mm
AIT **37-009A**	1/4" Dr. 6 Pt. Std. Skt. 9mm
AIT **37-204A**	1/4" Dr. 6 Pt. Deep Skt. 4mm
AIT **37-205A**	1/4" Dr. 6 Pt. Deep Skt. 5mm
AIT **37-206A**	1/4" Dr. 6 Pt. Deep Skt. 6mm
AIT **37-207A**	1/4" Dr. 6 Pt. Deep Skt. 7mm
AIT **37-208A**	1/4" Dr. 6 Pt. Deep Skt. 8mm

Item No.	Description
AIT **37-209A**	1/4" Dr. 6 Pt. Deep Skt. 9mm
AIT **37-211A**	1/4" Dr. 6 Pt. Deep Skt. 11mm
AIT **37-210A**	1/4" Dr. 6 Pt. Deep Skt. 10mm
AIT **38-114A**	3/8" Dr. 12 Pt. Std. Skt. 14mm
AIT **38-115A**	3/8" Dr. 12 Pt. Std. Skt. 15mm
AIT **38-116A**	3/8" Dr. 12 Pt. Std. Skt. 16mm
AIT **38-118A**	3/8" Dr. 12 Pt. Std. Skt. 18mm
AIT **38-119A**	3/8" Dr. 12 Pt. Std. Skt. 19mm
AIT **38-110A**	3/8" Dr. 12 Pt. Std. Skt. 10mm
AIT **38-111A**	3/8" Dr. 12 Pt. Std. Skt. 11mm
AIT **38-112A**	3/8" Dr. 12 Pt. Std. Skt. 12mm
AIT **38-113A**	3/8" Dr. 12 Pt. Std. Skt. 13mm
AIT **38-117A**	3/8" Dr. 12 Pt. Std. Skt. 17mm
AIT **11-312A**	3/8" Dr. 12 Pt. Deep Skt. 3/8"
AIT **11-314A**	3/8" Dr. 12 Pt. Deep Skt. 7/16"
AIT **11-316A**	3/8" Dr. 12 Pt. Deep Skt. 1/2"
AIT **11-320A**	3/8" Dr. 12 Pt. Deep Skt. 5/8"
AIT **11-322A**	3/8" Dr. 12 Pt. Deep Skt. 11/16"
AIT **11-324A**	3/8" Dr. 12 Pt. Deep Skt. 3/4"
AIT **11-328A**	3/8" Dr. 12 Pt. Deep Skt. 7/8"
AIT **11-318A**	3/8" Dr. 12 Pt. Deep Skt. 9/16"
AIT **11-326A**	3/8" Dr. 12 Pt. Deep Skt. 13/16"
AIT **11-112A**	3/8 Dr. 12 Pt. Std. Skt. 3/8"
AIT **11-114A**	3/8 Dr. 12 Pt. Std. Skt. 7/16"
AIT **11-116A**	3/8 Dr. 12 Pt. Std. Skt. 1/2"
AIT **11-118A**	3/8 Dr. 12 Pt. Std. Skt. 9/16"
AIT **11-120A**	3/8 Dr. 12 Pt. Std. Skt. 5/8"
AIT **11-122A**	3/8 Dr. 12 Pt. Std. Skt. 11/16"
AIT **11-124A**	3/8 Dr. 12 Pt. Std. Skt. 3/4"
AIT **11-126A**	3/8 Dr. 12 Pt. Std. Skt. 13/16"
AIT **39-119A**	1/2" Dr. 12 Pt. Std. Skt. 19mm
AIT **39-122A**	1/2" Dr. 12 Pt. Std. Skt. 22mm

Item No.	Description
AIT **39-118A**	1/2" Dr. 12 Pt. Std. Skt. 18mm
AIT **39-120A**	1/2" Dr. 12 Pt. Std. Skt. 20mm
AIT **39-121A**	1/2" Dr. 12 Pt. Std. Skt. 21mm
AIT **12-330A**	1/2" Dr. 12 Pt. Deep Skt. 15/16"
AIT **12-322A**	1/2" Dr. 12 Pt. Deep Skt. 11/16"
AIT **12-316A**	1/2" Dr. 12 Pt. Deep Skt. 1/2"
AIT **12-318A**	1/2" Dr. 12 Pt. Deep Skt. 9/16"
AIT **12-320A**	1/2" Dr. 12 Pt. Deep Skt. 5/8"
AIT **12-328A**	1/2" Dr. 12 Pt. Deep Skt. 7/8"
AIT **12-120A**	1/2" Dr. 12 Pt. Std. Skt. 5/8"
AIT **12-122A**	1/2" Dr. 12 Pt. Std. Skt. 11/16"
AIT **12-124A**	1/2" Dr. 12 Pt. Std. Skt. 3/4"
AIT **12-126A**	1/2" Dr. 12 Pt. Std. Skt. 13/16"
AIT **12-116A**	1/2" Dr. 12 Pt. Std. Skt. 1/2"
AIT **12-118A**	1/2" Dr. 12 Pt. Std. Skt. 9/16"
AIT **11-951**	3/8" Dr. Adapter 3/8" F x 1/4" M
AIT **10-922A**	1/4" Dr. Ext. 31/2" No Knurling
AIT **11-922A**	3/8" Dr. Ext. 3" No Knurling
AIT **12-921**	1/2" Dr. Ext. 2"
AIT **10-944**	1/4" Dr. Plastic Handle Dr. 6" No Female Dr. End
AIT **10-915A**	1/4" Dr. Roundhead Ratchet Knurled Handle
AIT **11-915A**	3/8" Dr. Round Head Ratchet Knurled Handle
AIT **11-501**	3/8" Dr. Spark Plug Skt. with Rubber Insert 5/8"
AIT **11-504**	3/8" Dr. Spark Plug Skt. with Rubber Insert 13/16"

AIT **15-524A**



AIT **11-967A**



57 PC. 1/4 AND 3/8 IN. DR. SOCKET SET

AIT **15-323A**

Contents

Item No.	Description
AIT **10-010**	1/4" Dr. 6 Pt. Std. Skt. 5/16"
AIT **10-011**	1/4" Dr. 6 Pt. Std. Skt. 11/32"
AIT **10-005A**	1/4" Dr. 6 Pt. Std. Skt. 5/32"
AIT **10-006A**	1/4" Dr. 6 Pt. Std. Skt. 3/16"
AIT **10-007A**	1/4" Dr. 6 Pt. Std. Skt. 7/32"
AIT **10-008A**	1/4" Dr. 6 Pt. Std. Skt. 1/4"
AIT **10-009A**	1/4" Dr. 6 Pt. Std. Skt. 9/32"
AIT **10-012A**	1/4" Dr. 6 Pt. Std. Skt. 3/8"
AIT **10-014A**	1/4" Dr. 6 Pt. Std. Skt. 7/16"
AIT **10-016A**	1/4" Dr. 6 Pt. Std. Skt. 1/2"
AIT **37-004A**	1/4" Dr. 6 Pt. Std. Skt. 4mm
AIT **37-005A**	1/4" Dr. 6 Pt. Std. Skt. 5mm
AIT **37-010A**	1/4" Dr. 6 Pt. Std. Skt. 10mm
AIT **37-011A**	1/4" Dr. 6 Pt. Std. Skt. 11mm
AIT **37-006A**	1/4" Dr. 6 Pt. Std. Skt. 6mm
AIT **37-007A**	1/4" Dr. 6 Pt. Std. Skt. 7mm
AIT **37-008A**	1/4" Dr. 6 Pt. Std. Skt. 8mm
AIT **37-012A**	1/4" Dr. 6 Pt. Std. Skt. 12mm
AIT **37-013A**	1/4" Dr. 6 Pt. Std. Skt. 13mm
AIT **37-009A**	1/4" Dr. 6 Pt. Std. Skt. 9mm

Item No.	Description
AIT **38-114A**	3/8" Dr. 12 Pt. Std. Skt. 14mm
AIT **38-115A**	3/8" Dr. 12 Pt. Std. Skt. 15mm
AIT **38-116A**	3/8" Dr. 12 Pt. Std. Skt. 16mm
AIT **38-109A**	3/8" Dr. 12 Pt. Std. Skt. 9mm
AIT **38-118A**	3/8" Dr. 12 Pt. Std. Skt. 18mm
AIT **38-110A**	3/8" Dr. 12 Pt. Std. Skt. 10mm
AIT **38-111A**	3/8" Dr. 12 Pt. Std. Skt. 11mm
AIT **38-112A**	3/8" Dr. 12 Pt. Std. Skt. 12mm
AIT **38-113A**	3/8" Dr. 12 Pt. Std. Skt. 13mm
AIT **38-117A**	3/8" Dr. 12 Pt. Std. Skt. 17mm
AIT **11-312A**	3/8" Dr. 12 Pt. Deep Skt. 3/8"
AIT **11-314A**	3/8" Dr. 12 Pt. Deep Skt. 7/16"
AIT **11-316A**	3/8" Dr. 12 Pt. Deep Skt. 1/2"
AIT **11-324A**	3/8" Dr. 12 Pt. Deep Skt. 3/4"
AIT **11-318A**	3/8" Dr. 12 Pt. Deep Skt. 9/16"
AIT **11-112A**	3/8 Dr. 12 Pt. Std. Skt. 3/8"
AIT **11-114A**	3/8 Dr. 12 Pt. Std. Skt. 7/16"
AIT **11-116A**	3/8 Dr. 12 Pt. Std. Skt. 1/2"
AIT **11-118A**	3/8 Dr. 12 Pt. Std. Skt. 9/16"
AIT **11-120A**	3/8 Dr. 12 Pt. Std. Skt. 5/8"

Item No.	Description
AIT **11-122A**	3/8 Dr. 12 Pt. Std. Skt. 11/16"
AIT **11-124A**	3/8 Dr. 12 Pt. Std. Skt. 3/4"
AIT **11-126A**	3/8 Dr. 12 Pt. Std. Skt. 13/16"
AIT **57-010**	5/64" Short Arm L Hex Key
AIT **57-012**	3/32" Short Arm L Hex Key
AIT **57-014**	1/8" Short Arm L Hex Key
AIT **57-020**	5/32" Short Arm L Hex Key
AIT **57-022**	3/16" Short Arm L Hex Key
AIT **57-024**	7/32" Short Arm L Hex Key
AIT **57-026**	1/4" Short Arm L Hex Key
AIT **11-951**	3/8" Dr. Adapter 3/8" F x 1/4" M
AIT **10-919A**	1/4" Dr. Ext. 1 1/2"
AIT **11-923A**	3/8" Dr. Ext. 6" No Knurling
AIT **11-922A**	3/8" Dr. Ext. 3" No Knurling
AIT **10-944**	1/4" Dr. Plastic Handle Dr. 6" No Female Dr. End
AIT **11-967A**	3/8" Dr. Teardrop Quick Release Ratchet Knurled Handle 7 1/2"
AIT **11-501**	3/8" Dr. Spark Plug Skt. with Rubber Insert 5/8"

AIT **15-323A**

ARMSTRONG INDUSTRIAL HAND TOOLS

SAE MET

MADE IN USA LIFETIME WARRANTY



49 PC. 1/2 IN. DR. MASTER SOCKET SETS

- All tools are made in the USA — quality and availability
- Durable, long lasting blow molded case will not dent, rust, even under the harshest conditions — two piece latches securely hold the box closed
- Bottom half of the case can be removed and placed in a tool storage drawer for organization
- EYE-D™ markings on the sockets optimize size visibility, also marked in blow mold
- Ratchet has compact head design, recessed reversing lever with on/off markings, unique hour class handle design, as well "Torque Wrap" design incorporating a 10° ratcheting arc
- Sockets incorporate a radius corner design that engages the flats of the fastener as well as unique retention method, cold form ball recess, which provides consistent secure retention of the socket to the drive tool
- Knurling on the extension shaft provides a non-slip grip to quickly run down / remove fasteners
- All tools are manufactured from high alloy steel using the most up-to-date manufactured process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E

AIT **15-399**

AIT **12-992**

Contents

Item No.	Size
AIT **12-014**	7/16" 6 Pt.
AIT **12-016**	1/2" 6 Pt.
AIT **12-018**	9/16" 6 Pt.
AIT **12-020**	5/8" 6 Pt.
AIT **12-022**	11/16" 6 Pt.
AIT **12-024**	3/4" 6 Pt.
AIT **12-026**	13/16" 6 Pt.
AIT **12-028**	7/8" 6 Pt.
AIT **12-030**	15/16" 6 Pt.
AIT **12-032**	1" 6 Pt.
AIT **12-034**	1 1/16" 6 Pt.
AIT **12-036**	1 1/8" 6 Pt.
AIT **39-010**	10mm 6 Pt.
AIT **39-011**	11mm 6 Pt.
AIT **39-012**	12mm 6 Pt.
AIT **39-013**	13mm 6 Pt.
AIT **39-014**	14mm 6 Pt.
AIT **39-015**	15mm 6 Pt.
AIT **39-016**	16mm 6 Pt.
AIT **39-017**	17mm 6 Pt.
AIT **39-018**	18mm 6 Pt.
AIT **39-019**	19mm 6 Pt.
AIT **39-020**	20mm 6 Pt.
AIT **39-021**	21mm 6 Pt.
AIT **39-022**	22mm 6 Pt.
AIT **39-023**	23mm 6 Pt.

Item No.	Size
AIT **39-024**	24mm 6 Pt.
AIT **12-216**	1/2" 6 Pt. Deep
AIT **12-218**	9/16" 6 Pt. Deep
AIT **12-220**	5/8" 6 Pt. Deep
AIT **12-222**	11/16" 6 Pt. Deep
AIT **12-224**	3/4" 6 Pt. Deep
AIT **12-226**	13/16" 6 Pt. Deep
AIT **12-228**	7/8" 6 Pt. Deep
AIT **12-230**	15/16" 6 Pt. Deep
AIT **39-310**	10mm 12 Pt. Deep
AIT **39-311**	11mm 12 Pt. Deep
AIT **39-312**	12mm 12 Pt. Deep
AIT **39-313**	13mm 12 Pt. Deep
AIT **39-314**	14mm 12 Pt. Deep
AIT **39-315**	15mm 12 Pt. Deep
AIT **39-316**	16mm 12 Pt. Deep
AIT **39-317**	17mm 12 Pt. Deep
AIT **39-318**	18mm 12 Pt. Deep
AIT **39-319**	19mm 12 Pt. Deep
AIT **12-921**	Extension, 1/2" Dr., 2"
AIT **12-923**	Extension, 1/2" Dr., 5"
AIT **12-947**	Universal Joint, 1/2" Dr.
AIT **12-992**	Ratchet Maxx, 1/2" Dr.

CRESCENT LIFETIME WARRANTY



170 PC. SOCKET AND TOOL SET WITH HARD CASE

- 1/4", 3/8", and 1/2" dr. 6- and 12-pt. sockets, standard and deep
- Fully-polished combination wrenches 5/16"-5/8"; 8-15 mm
- 25 pc. hex key set SAE; 10 pc. hex key set mm
- Magnetic bit driver and bits: phillips, slotted, Torx®, and hex
- 1/4", 3/8", and 1/2" dr. 72-tooth quick-release ratchet

APX **CTK170MP**

CRESCENT LIFETIME WARRANTY



MULTI-PIECE TOOL SET

Carefully selected assortment of professional quality crescent brand hand tools. All tools in this industrial-quality tool set meet stringent new ANSI and ASME specifications. Crescent brand tool sets feature 72-tooth ratchet drives for a 5° swing that's perfect in tight spaces and a convenient quick-release button. Durable storage cases have raised-letter id for each tool location, so they'll stay organized, plus tools lock securely in place and a true benefit for work vehicles or other places where tools get knocked around.

Contents: 3/8" drive: QR ratchet; 3" & 6" extension.; 5/8" & 13/16" spark plug socket; 12 pt. std. socket 1/4" thru 3/4" and 6mm thru 19mm; combo wrench 1/4" thru 5/8: and 6mm thru 15mm; magnetic bit driver with 44 bits; 12 pc. hex key SAE set; 12 pc. hex key Metric set

APX **CTK128MP2**

EVERCRAFT™

90 PC. 1/4, 3/8, & 1/2 IN. DR. MASTER SOCKET SET

This superior set includes a wide variety of drive tools and accessories. Made of CR-V steel, high polish chrome and all components carry a lifetime warranty

BK **774-0190**

SEE PAGE 9 FOR CONTENTS LISTING.



78 PC. 1/4 & 3/8 IN. DR. MASTER SOCKET SET

This set is loaded with the sockets and drive tools to meet almost all of your needs. Constructed from CR-V steel, high polish chrome and exceeds ANSI standards. Blow molded case included.

BK **774-0178**

SEE PAGE 9 FOR CONTENTS LISTING.



30 PC. 1/4 & 3/8 IN. DR. MASTER SOCKET SET

CR-V steel, high polish chrome for maximum strength and triple chrome-plated with an ultra-smooth, high-polish finish for added life. Meets and exceeds U.S. Federal Standards for strength and performance. Molded case for convenient storage. Full lifetime guarantee on all components.

BK **774-0103**

SEE PAGE 9 FOR CONTENTS LISTING.



SAE **Contains SAE Components.**

MET **Contains Metric Components.**

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

EVERCRAFT™ MASTER SOCKET SETS CONTENTS

Item No.	Description	BK 774-0103 30 Pc. Set	BK 774-0178 78 Pc. Set	BK 774-0190 90 Pc. Set
BK 774-1205	1/4" Dr. 6 Pt.; 5/32"		•	•
BK 774-1206	1/4" Dr. 6 Pt.; 3/16"		•	•
BK 774-1207	1/4" Dr. 6 Pt.; 7/32"		•	•
BK 774-1208	1/4" Dr. 6 Pt.; 1/4"	•	•	•
BK 774-1209	1/4" Dr. 6 Pt.; 9/32"	•	•	•
BK 774-1210	1/4" Dr. 6 Pt.; 5/16"	•	•	•
BK 774-1211	1/4" Dr. 6 Pt.; 11/32"	•	•	•
BK 774-1212	1/4" Dr. 6 Pt.; 3/8"		•	•
—	1/4" Dr. 6 Pt.; 13/32"		•	
BK 774-1214	1/4" Dr. 6 Pt.; 7/16"		•	•
BK 774-1216	1/4" Dr. 6 Pt.; 1/2"		•	•
—	1/4" Dr. 6 Pt.; 9/16"		•	
BK 774-1304	1/4" Dr. 6 Pt.; 4mm		•	•
BK 774-1305	1/4" Dr. 6 Pt.; 5mm		•	•
BK 774-1306	1/4" Dr. 6 Pt.; 6mm	•	•	•
BK 774-1307	1/4" Dr. 6 Pt.; 7mm	•	•	•
BK 774-1308	1/4" Dr. 6 Pt.; 8mm	•	•	•
BK 774-1309	1/4" Dr. 6 Pt.; 9mm	•	•	•
BK 774-1310	1/4" Dr. 6 Pt.; 10mm		•	•
BK 774-1311	1/4" Dr. 6 Pt.; 11mm		•	•
BK 774-1312	1/4" Dr. 6 Pt.; 12mm		•	•
BK 774-1313	1/4" Dr. 6 Pt.; 13mm		•	•
BK 774-1107	1/4" Dr. 6 Pt.; 7/32" Deep			•
BK 774-1108	1/4" Dr. 6 Pt.; 1/4" Deep		•	•
BK 774-1109	1/4" Dr. 6 Pt.; 9/32" Deep		•	•
BK 774-1110	1/4" Dr. 6 Pt.; 5/16" Deep		•	•
BK 774-1111	1/4" Dr. 6 Pt.; 11/32" Deep		•	•
BK 774-1112	1/4" Dr. 6 Pt.; 3/8" Deep		•	•
BK 774-1114	1/4" Dr. 6 Pt.; 7/16" Deep			•
BK 774-1116	1/4" Dr. 6 Pt.; 1/2" Deep			•
BK 774-1706	1/4" Dr. 6 Pt.; 6mm Deep		•	
BK 774-1707	1/4" Dr. 6 Pt.; 7mm Deep		•	
BK 774-1708	1/4" Dr. 6 Pt.; 8mm Deep		•	
BK 774-1709	1/4" Dr. 6 Pt.; 9mm Deep		•	
BK 774-1710	1/4" Dr. 6 Pt.; 10mm Deep		•	
—	1/4" Dr. 8 Pt.; 1/4"			•
—	1/4" Dr. 8 Pt.; 5/16"			•
—	1/4" Dr. 8 Pt.; 3/8"			•
BK 774-1408	3/8" Dr. 6 Pt.; 1/4"		•	
BK 774-1410	3/8" Dr. 6 Pt.; 5/16"		•	
BK 774-1412	3/8" Dr. 6 Pt.; 3/8"	•	•	
BK 774-1414	3/8" Dr. 6 Pt.; 7/16"	•	•	
—	3/8" Dr. 6 Pt.; 1/2"		•	
BK 774-1418	3/8" Dr. 6 Pt.; 9/16"		•	
BK 774-1420	3/8" Dr. 6 Pt.; 5/8"		•	
BK 774-1422	3/8" Dr. 6 Pt.; 11/16"		•	
BK 774-1424	3/8" Dr. 6 Pt.; 3/4"		•	
BK 774-1426	3/8" Dr. 6 Pt.; 13/16"		•	
BK 774-1509	3/8" Dr. 6 Pt.; 9mm		•	
BK 774-1510	3/8" Dr. 6 Pt.; 10mm	•	•	
BK 774-1511	3/8" Dr. 6 Pt.; 11mm	•	•	
BK 774-1512	3/8" Dr. 6 Pt.; 12mm	•	•	
BK 774-1513	3/8" Dr. 6 Pt.; 13mm		•	
BK 774-1514	3/8" Dr. 6 Pt.; 14mm		•	
BK 774-1515	3/8" Dr. 6 Pt.; 15mm		•	
BK 774-1516	3/8" Dr. 6 Pt.; 16mm		•	
BK 774-1517	3/8" Dr. 6 Pt.; 17mm		•	
BK 774-1519	3/8" Dr. 6 Pt.; 19mm		•	
BK 774-5312	3/8" Dr. 6 Pt.; 3/8" Deep		•	
BK 774-5314	3/8" Dr. 6 Pt.; 7/16" Deep		•	
BK 774-5316	3/8" Dr. 6 Pt.; 1/2" Deep		•	
BK 774-5318	3/8" Dr. 6 Pt.; 9/16" Deep		•	
BK 774-5411	3/8" Dr. 6 Pt.; 11mm Deep		•	
BK 774-5412	3/8" Dr. 6 Pt.; 12mm Deep		•	
BK 774-5413	3/8" Dr. 6 Pt.; 13mm Deep		•	
BK 774-5414	3/8" Dr. 6 Pt.; 14mm Deep		•	
—	3/8" Dr. 8 Pt.; 1/4"		•	
—	3/8" Dr. 8 Pt.; 5/16"		•	

Contents continued on following column.

Item No.	Description	BK 774-0103 30 Pc. Set	BK 774-0178 78 Pc. Set	BK 774-0190 90 Pc. Set
—	3/8" Dr. 8 Pt.; 3/8"		•	
—	3/8" Dr. 12 Pt.1/4"		•	
—	3/8" Dr. 12 Pt. 5/16"		•	
—	3/8" Dr. 12 Pt.; 3/8"		•	•
—	3/8" Dr. 12 Pt.; 7/16"		•	•
BK 774-1416	3/8" Dr. 12 Pt.; 1/2"	•	•	•
BK 774-1418	3/8" Dr. 12 Pt.; 9/16"	•	•	•
BK 774-1420	3/8" Dr. 12 Pt.; 5/8"	•	•	•
BK 774-1422	3/8" Dr. 12 Pt.; 11/16"	•	•	•
BK 774-1424	3/8" Dr. 12 Pt.; 3/4"		•	•
BK 774-1426	3/8" Dr. 12 Pt.; 13/16"			•
—	3/8" Dr. 12 Pt.; 9mm			•
—	3/8" Dr. 12 Pt. 10mm			•
—	3/8" Dr. 12 Pt.; 11mm			•
—	3/8" Dr. 12 Pt.; 12mm			•
BK 774-1513	3/8" Dr. 12 Pt.; 13mm	•		•
BK 774-1514	3/8" Dr. 12 Pt.; 14mm	•		•
BK 774-1516	3/8" Dr. 12 Pt.; 16mm	•		•
BK 774-1517	3/8" Dr. 12 Pt.; 17mm	•		•
BK 774-1518	3/8" Dr. 12 Pt.; 18mm	•		
BK 774-1519	3/8" Dr. 12 Pt.; 19mm	•		
BK 774-5312	3/8" Dr. 12 Pt.; 3/8" Deep			•
BK 774-5314	3/8" Dr. 12 Pt.; 7/16" Deep			•
BK 774-5316	3/8" Dr. 12 Pt.; 1/2" Deep			•
BK 774-5318	3/8" Dr. 12 Pt.; 9/16" Deep			•
BK 774-5320	3/8" Dr. 12 Pt.; 5/8" Deep			•
BK 774-5322	3/8" Dr. 12 Pt.; 11/16" Deep			•
BK 774-5324	3/8" Dr. 12 Pt.; 3/4" Deep			•
BK 774-5326	3/8" Dr. 12 Pt.; 13/16" Deep			•
—	1/2" Dr. 12 Pt.; 9/16"			•
—	1/2" Dr. 12 Pt.; 5/8"			•
BK 774-1622	1/2" Dr. 12 Pt.; 11/16"			•
BK 774-1624	1/2" Dr. 12 Pt.; 3/4"			•
BK 774-1626	1/2" Dr. 12 Pt.; 13/16"			•
BK 774-1628	1/2" Dr. 12 Pt.; 7/8"			•
BK 774-1630	1/2" Dr. 12 Pt.; 15/16"			•
BK 774-1632	1/2" Dr. 12 Pt.; 1"			•
BK 774-1634	1/2" Dr. 12 Pt.; 1 1/16"			•
BK 774-1636	1/2" Dr. 12 Pt.; 1 1/8"			•
BK 774-1640	1/2" Dr. 12 Pt.; 1 1/4"			•
—	1/2" Dr. 12 Pt.; 10mm			•
—	1/2" Dr. 12 Pt.; 11mm			•
—	1/2" Dr. 12 Pt.; 12mm			•
—	1/2" Dr. 12 Pt.; 13mm			•
—	1/2" Dr. 12 Pt.; 14mm			•
—	1/2" Dr. 12 Pt.; 15mm			•
—	1/2" Dr. 12 Pt.; 16mm			•
BK 774-5517	1/2" Dr. 12 Pt.; 17mm			•
BK 774-5519	1/2" Dr. 12 Pt.; 19mm			•
BK 774-5521	1/2" Dr. 12 Pt.; 21mm			•
BK 774-5522	1/2" Dr. 12 Pt.; 22mm			•
BK 774-5524	1/2" Dr. 12 Pt.; 24mm			•
BK 774-1478	Spark Plug; 3/8" Dr., 5/8"	•	•	•
BK 774-1477	Spark Plug; 3/8" Dr., 13/16"	•	•	•
BK 774-1278	Extension; 1/4" Dr., 3"		•	•
BK 774-1279	Extension; 1/4" Dr., 6"			•
BK 774-1475	Extension; 3/8" Dr., 3"	•	•	•
BK 774-1476	Extension; 3/8" Dr., 6"		•	•
BK 774-1675	Extension; 1/2" Dr., 5"			•
BK 774-1670	Extension; 1/2" Dr., 10"			•
BK 774-1479	Reducer, 3/8" F. x 1/4" M.	•		
BK 774-1277	Driver Handle; 1/4"			•
BK 774-1276	Deluxe Ratchet; 1/4" Dr.		•	•
BK 774-1480	Standard Ratchet, 3/8" Dr.	•		
BK 774-1481	Deluxe Ratchet; 3/8" Dr.		•	•
BK 774-1680	Deluxe Ratchet; 1/2" Dr.			•
—	Blow Mold Case	•	•	

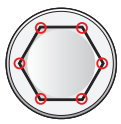
CARLYLE by NAPA

CARLYLE® ADVANTAGE

Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on a fasteners with rounded corners.



Other Carlyle®



SAE Metric

CARLYLE® EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.



For Complete Dimensional Specifications go to www.carlyletools.com

www.carlyletools.com/products/sockets



CHT **SS14015M**



CHT **SS14012**

SAE MET

1/4 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS14015M 15 Pc. Set w/Case	*CHT* SS14014 14 Pc. Set w/Case	*CHT* SS14014M 14 Pc. Set w/Rail	*CHT* SS14012 12 Pc. Set w/Rail	*CHT* SS14010M 10 Pc. Set w/Rail	*CHT* SS14009 9 Pc. Set w/Rail
CHT **S14004**	1/8"				•		
CHT **S14005**	5/32"				•		
CHT **S14006**	3/16"		•		•		•
CHT **S14007**	7/32"		•		•		•
CHT **S14008**	1/4"		•		•		•
CHT **S14009**	9/32"		•		•		•
CHT **S14010**	5/16"		•		•		•
CHT **S14011**	11/32"		•		•		•
CHT **S14012**	3/8"		•		•		•
CHT **S14014**	7/16"		•		•		•
CHT **S14016**	1/2"		•		•		•
CHT **S14018**	9/16"				•		
CHT **S14004M**	4mm			•			
CHT **S140045M**	4.5mm			•			
CHT **S14005M**	5mm	•		•		•	
CHT **S140055M**	5.5mm			•			
CHT **S14006M**	6mm	•		•		•	
CHT **S14007M**	7mm	•		•		•	
CHT **S14008M**	8mm	•		•		•	
CHT **S14009M**	9mm	•		•		•	
CHT **S14010M**	10mm	•		•		•	
CHT **S14011M**	11mm	•		•		•	
CHT **S14012M**	12mm	•		•		•	
CHT **S14013M**	13mm	•		•		•	
CHT **S14014M**	14mm	•		•		•	
CHT **S14015M**	15mm			•			
CHT **R14TD**	Teardrop Ratchet	•	•				
CHT **DH14**	Driver Handle	•	•				
CHT **EXT1402**	Extension, 2"	•	•				
CHT **EXT1406**	Extension, 6"	•	•				
CHT **UNIV14**	Universal Joint	•	•				

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE NAPA



CHT **SS14112**



CHT **SS14114M**

1/4 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS14114M 14 Pc. Set w/Rail	*CHT* SS14112 12 Pc. Set w/Rail	*CHT* SS14110M 10 Pc. Set w/Rail	*CHT* SS14109 9 Pc. Set w/Rail
CHT **S14104**	1/8"		•		
CHT **S14105**	5/32"		•		
CHT **S14106**	3/16"		•		•
CHT **S14107**	7/32"		•		•
CHT **S14108**	1/4"		•		•
CHT **S14109**	9/32"		•		•
CHT **S14110**	5/16"		•		•
CHT **S14111**	11/32"		•		•
CHT **S14112**	3/8"		•		•
CHT **S14114**	7/16"		•		•
CHT **S14116**	1/2"		•		•
CHT **S14118**	9/16"		•		
CHT **S14104M**	4mm	•			
CHT **S141045M**	4.5mm	•			
CHT **S14105M**	5mm	•		•	
CHT **S141055M**	5.5mm	•			
CHT **S14106M**	6mm	•		•	
CHT **S14107M**	7mm	•		•	
CHT **S14108M**	8mm	•		•	
CHT **S14109M**	9mm	•		•	
CHT **S14110M**	10mm	•		•	
CHT **S14111M**	11mm	•		•	
CHT **S14112M**	12mm	•		•	
CHT **S14113M**	13mm	•		•	
CHT **S14114M**	14mm	•		•	
CHT **S14115M**	15mm	•			



CHT **SSMD14010**



CHT **SSMD14013M**

1/4 IN. DR. 6 PT. MID-DEPTH SOCKETS & SETS

Mid-depth sockets provide additional depth thats over 25% longer than the standard length sockets. Mirror polish chrome-plated finish resists rust. Ideal for limited spaces like dash boards and underhood compartments. Will quickly become your "go to" socket.

Item No.	Socket Size	*CHT* SSMD14010 10 Pc. Set w/Rail
CHT **SMD14006**	3/16"	•
CHT **SMD14007**	7/32"	•
CHT **SMD14008**	1/4"	•
CHT **SMD14009**	9/32"	•
CHT **SMD14010**	5/16"	•
CHT **SMD14011**	11/32"	•
CHT **SMD14012**	3/8"	•
CHT **SMD14014**	7/16"	•
CHT **SMD14016**	1/2"	•
CHT **SMD14018**	9/16"	•

Item No.	Socket Size	*CHT* SSMD14013M 13 Pc. Set w/Rail
CHT **SMD14004M**	4mm	•
CHT **SMD14005M**	5mm	•
CHT **SMD140055M**	5.5mm	•
CHT **SMD14006M**	6mm	•
CHT **SMD14007M**	7mm	•
CHT **SMD14008M**	8mm	•
CHT **SMD14009M**	9mm	•
CHT **SMD14010M**	10mm	•
CHT **SMD14011M**	11mm	•
CHT **SMD14012M**	12mm	•
CHT **SMD14013M**	13mm	•
CHT **SMD14014M**	14mm	•
CHT **SMD14015M**	15mm	•

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE by NAPA



CHT **SSD14012** SAE



CHT **SSD14014M** MET

1/4 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD14012 12 Pc. Set w/Rail	*CHT* SSD14009 9 Pc. Set w/Rail
CHT **SD14004**	1/8"	•	
CHT **SD14005**	5/32"	•	
CHT **SD14006**	3/16"	•	•
CHT **SD14007**	7/32"	•	•
CHT **SD14008**	1/4"	•	•
CHT **SD14009**	9/32"	•	•
CHT **SD14010**	5/16"	•	•
CHT **SD14011**	11/32"	•	•
CHT **SD14012**	3/8"	•	•
CHT **SD14014**	7/16"	•	•
CHT **SD14016**	1/2"	•	•
CHT **SD14018**	9/16"	•	

Item No.	Socket Size	*CHT* SSD14014M 14 Pc. Set w/Rail	*CHT* SSD14010M 10 Pc. Set w/Rail
CHT **SD14004M**	4mm	•	
CHT **SD140045M**	4.5mm	•	
CHT **SD14005M**	5mm	•	•
CHT **SD140055M**	5.5mm	•	
CHT **SD14006M**	6mm	•	•
CHT **SD14007M**	7mm	•	•
CHT **SD14008M**	8mm	•	•
CHT **SD14009M**	9mm	•	•
CHT **SD14010M**	10mm	•	•
CHT **SD14011M**	11mm	•	•
CHT **SD14012M**	12mm	•	•
CHT **SD14013M**	13mm	•	•
CHT **SD14014M**	14mm	•	•
CHT **SD14015M**	15mm	•	



CHT **SSD14112** SAE



CHT **SSD14114M** MET

1/4 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD14112 12 Pc. Set w/Rail	*CHT* SSD14109 9 Pc. Set w/Rail
CHT **SD14104**	1/8"	•	
CHT **SD14105**	5/32"	•	
CHT **SD14106**	3/16"	•	•
CHT **SD14107**	7/32"	•	•
CHT **SD14108**	1/4"	•	•
CHT **SD14109**	9/32"	•	•
CHT **SD14110**	5/16"	•	•
CHT **SD14111**	11/32"	•	•
CHT **SD14112**	3/8"	•	•
CHT **SD14114**	7/16"	•	•
CHT **SD14116**	1/2"	•	•
CHT **SD14118**	9/16"	•	

Item No.	Socket Size	*CHT* SSD14114M 14 Pc. Set w/Rail	*CHT* SSD14110M 10 Pc. Set w/Rail
CHT **SD14104M**	4mm	•	
CHT **SD141045M**	4.5mm	•	
CHT **SD14105M**	5mm	•	•
CHT **SD141055M**	5.5mm	•	
CHT **SD14106M**	6mm	•	•
CHT **SD14107M**	7mm	•	•
CHT **SD14108M**	8mm	•	•
CHT **SD14109M**	9mm	•	•
CHT **SD14110M**	10mm	•	•
CHT **SD14111M**	11mm	•	•
CHT **SD14112M**	12mm	•	•
CHT **SD14113M**	13mm	•	•
CHT **SD14114M**	14mm	•	•
CHT **SD14115M**	15mm	•	

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.



CARLYLE NAPA

SAE MET

CHT **SSU14010**

1/4 IN. DR. 6 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU14012M 12 Pc. Set w/Rail	*CHT* SSU14010 10 Pc. Set w/Rail
CHT **SU14006**	3/16"		•
CHT **SU14007**	7/32"		•
CHT **SU14008**	1/4"		•
CHT **SU14009**	9/32"		•
CHT **SU14010**	5/16"		•
CHT **SU14011**	11/32"		•
CHT **SU14012**	3/8"		•
CHT **SU14014**	7/16"		•
CHT **SU14016**	1/2"		•
CHT **SU14018**	9/16"		•
CHT **SU14005M**	5mm	•	
CHT **SU140055M**	5.5mm	•	
CHT **SU14006M**	6mm	•	
CHT **SU14007M**	7mm	•	
CHT **SU14008M**	8mm	•	
CHT **SU14009M**	9mm	•	
CHT **SU14010M**	10mm	•	
CHT **SU14011M**	11mm	•	
CHT **SU14012M**	12mm	•	
CHT **SU14013M**	13mm	•	
CHT **SU14014M**	14mm	•	
CHT **SU14015M**	15mm	•	

SAE MET



CHT **SSU14112M**

1/4 IN. DR. 12 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU14112M 12 Pc. Set w/Rail	*CHT* SSU14110 10 Pc. Set w/Rail
CHT **SU14106**	3/16"		•
CHT **SU14107**	7/32"		•
CHT **SU14108**	1/4"		•
CHT **SU14109**	9/32"		•
CHT **SU14110**	5/16"		•
CHT **SU14111**	11/32"		•
CHT **SU14112**	3/8"		•
CHT **SU14114**	7/16"		•
CHT **SU14116**	1/2"		•
CHT **SU14118**	9/16"		•
CHT **SU14105M**	5mm	•	
CHT **SU141055M**	5.5mm	•	
CHT **SU14106M**	6mm	•	
CHT **SU14107M**	7mm	•	
CHT **SU14108M**	8mm	•	
CHT **SU14109M**	9mm	•	
CHT **SU14110M**	10mm	•	
CHT **SU14111M**	11mm	•	
CHT **SU14112M**	12mm	•	
CHT **SU14113M**	13mm	•	
CHT **SU14114M**	14mm	•	
CHT **SU14115M**	15mm	•	

GEARWRENCH

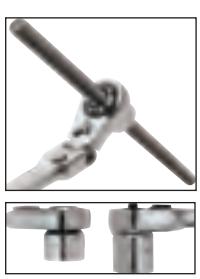
1/4 IN. DR. PASS-THRU SOCKETS & SET

- Up to 50% thinner head profile than conventional ratchet systems
- 11 locking head positions on *APX* **891400**
- 5° Ratcheting arc
- Up to 40% stronger than traditional ratchets by eliminating drive tang
- Dual material comfort grip handle
- Pass-Thru® ratchet and socket system eliminates the need for deep sockets

SAE MET



APX **891427**





APX **522100GR**

Item No.	Socket Size	*APX* 891427 26 Pc. Set w/Case
APX **122050GR**	5/32"	•
APX **122060GR**	3/16"	•
APX **122070GR**	7/32"	•
APX **122080GR**	1/4"	•
APX **122090GR**	9/32"	•
APX **122100GR**	5/16"	•
APX **122120GR**	3/8"	•
APX **122140GR**	7/16"	•
APX **122160GR**	1/2"	•
APX **122180GR**	9/16"	•
APX **522350GR**	3.5mm	•
APX **522040GR**	4mm	•
APX **522450GR**	4.5mm	•
APX **522050GR**	5mm	•
APX **522550GR**	5.5mm	•
APX **522060GR**	6mm	•
APX **522070GR**	7mm	•
APX **522080GR**	8mm	•
APX **522090GR**	9mm	•
APX **522100GR**	10mm	•
APX **522110GR**	11mm	•
APX **522120GR**	12mm	•
APX **522130GR**	13mm	•
APX **221060GR**	3" Pass-Thru Extension	•
APX **221080GR**	6" Pass-Thru Extension	•
APX **231061GR**	1/4" Pass-Thru Quick Release Adapter	•
APX **891400**	XL Locking Flex Pass-Thru Ratchet	•
APX **128020GR**	1/4" Pass-Thru Quick Release Adapter	

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA LIFETIME WARRANTY

1/4 IN. DR. 6 PT. SOCKETS & SETS

- All tools are made in the USA — quality and availability
- EYE-D™ markings on the sockets optimize size visibility, also marked in blow mold
- Ratchet has compact head design, recessed reversing lever with on/off markings, unique hour class handle design, as well "Torque Wrap" design incorporating a 10° ratcheting arc
- Sockets incorporate a radius corner design that engages the flats of the fastener as well as unique retention method, cold form ball recess, which provides consistent secure retention of the socket to the drive tool
- Knurling on the extension shaft provides a non-slip grip to quickly run down / remove fasteners
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E



AIT **15-205**

SAE



AIT **10-010A**

MET



AIT **37-208A**



AIT **10-821**

Item No.	Socket Size	*AIT* 15-205 37 Pc. Set w/Case	*AIT* 15-225 15 Pc. Set w/Case	*AIT* 44-205 29 Pc. Set w/Case	*AIT* 15-199 50 Pc. Set w/Case
6 PT. STANDARD					
AIT **10-006**	3/16"	•	•		•
AIT **10-007**	7/32"	•	•		•
AIT **10-008**	1/4"	•	•		•
AIT **10-009**	9/32"	•	•		•
AIT **10-010**	5/16"	•	•		•
AIT **10-011**	11/32"	•	•		•
AIT **10-012**	3/8"	•	•		•
AIT **10-014**	7/16"	•	•		•
AIT **10-016**	1/2"	•	•		•
AIT **10-018**	9/16"	•	•		•
AIT **37-004**	4mm			•	•
AIT **37-005**	5mm			•	•
AIT **37-083**	5.5mm			•	•
AIT **37-006**	6mm			•	•
AIT **37-007**	7mm			•	•
AIT **37-008**	8mm			•	•
AIT **37-009**	9mm			•	•
AIT **37-010**	10mm			•	•
AIT **37-011**	11mm			•	•
AIT **37-012**	12mm			•	•
AIT **37-013**	13mm			•	•
AIT **37-014**	14mm			•	•
AIT **37-015**	15mm				•
6 PT. DEEP					
AIT **10-206**	3/16"	•			•
AIT **10-207**	7/32"	•			•
AIT **10-208**	1/4"	•			•
AIT **10-209**	9/32"	•			•
AIT **10-210**	5/16"	•			•
AIT **10-211**	11/32"	•			•
AIT **10-212**	3/8"	•			•
AIT **10-214**	7/16"	•			•
AIT **10-216**	1/2"	•			•
AIT **10-218**	9/16"	•			•
AIT **37-204**	4mm			•	•
AIT **37-205**	5mm			•	•
AIT **37-283**	5.5mm			•	•
AIT **37-206**	6mm			•	•
AIT **37-207**	7mm			•	•
AIT **37-208**	8mm			•	•
AIT **37-209**	9mm			•	•
AIT **37-210**	10mm			•	•
AIT **37-211**	11mm			•	•
AIT **37-212**	12mm			•	•
AIT **37-213**	13mm			•	•
AIT **37-214**	14mm			•	•
AIT **37-215**	15mm				•
8 PT. STANDARD					
AIT **10-408**	1/4"	•			
AIT **10-410**	5/16"	•			
AIT **10-412**	3/8"	•			
AIT **10-801**	3/16" x 1/32" Screwdriver	•			
AIT **10-802**	1/4" x 1/32" Screwdriver	•			
AIT **10-821**	#1 Screwdriver	•			
AIT **10-822**	#2 Screwdriver	•			
AIT **10-823**	#3 Screwdriver	•			
AIT **10-918**	Breaker Bar, 1/4" Dr., 5 3/4"	•			
AIT **10-921**	Extension, 1/4" Dr., 2"	•	•	•	•
AIT **10-922**	Extension, 1/4" Dr., 4"	•			
AIT **10-923**	Extension, 1/4" Dr., 6"	•	•	•	•
AIT **10-929**	Flex Extension, 1/4" Dr., 6"	•			
AIT **10-938**	T-Handle, 1/4" Dr., 5"	•			
AIT **10-943**	Pl. Handle Driver, 1/4" Dr., 6"	•	•	•	
AIT **10-947**	Universal Joint, 1/4" Dr.	•	•	•	•
AIT **10-972**	Ratchet, 1/4" Dr., 5 9/32"	•	•	•	
AIT **10-992**	Ratchet, MAXX, 1/4" Dr.				•

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA

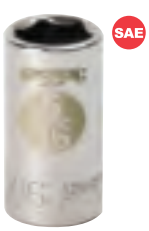
1/4 IN. DR. 6 & 12 PT. SOCKETS & SETS



AIT **15-210**



AIT **15-245**



AIT **10-010A**



AIT **10-110**



AIT **10-821**

Item No.	Socket Size	*AIT* 15-245 10 Pc. Set w/Rail	*AIT* 15-210 25 Pc. Set w/Case
6 PT. STANDARD			
AIT **10-006**	3/16"	•	
AIT **10-007**	7/32"	•	
AIT **10-008**	1/4"	•	
AIT **10-009**	9/32"	•	
AIT **10-010**	5/16"	•	
AIT **10-011**	11/32"	•	
AIT **10-012**	3/8"	•	
AIT **10-014**	7/16"	•	
AIT **10-016**	1/2"	•	
AIT **10-018**	9/16"	•	
12 PT. STANDARD			
AIT **10-106**	3/16"		•
AIT **10-107**	7/32"		•
AIT **10-108**	1/4"		•
AIT **10-109**	9/32"		•
AIT **10-110**	5/16"		•
AIT **10-111**	11/32"		•
AIT **10-112**	3/8"		•
AIT **10-114**	7/16"		•
AIT **10-116**	1/2"		•
AIT **10-118**	9/16"		•
12 PT. DEEP			
AIT **10-306**	3/16"		•
AIT **10-307**	7/32"		•
AIT **10-308**	1/4"		•
AIT **10-309**	9/32"		•
AIT **10-310**	5/16"		•
AIT **10-311**	11/32"		•
AIT **10-312**	3/8"		•
AIT **10-314**	7/16"		•
AIT **10-316**	1/2"		•
AIT **10-318**	9/16"		•
AIT **10-921**	Extension, 1/4" Dr., 2"		•
AIT **10-923**	Extension, 1/4" Dr., 6"		•
AIT **10-943**	Pl. Handle Driver, 1/4" Dr., 6"		•
AIT **10-947**	Universal Joint, 1/4" Dr.		•
AIT **10-972**	Ratchet, 1/4" Dr., 5 9/32"		•



10 PC. 1/4 IN. DR. 6 PT. SOCKET SET WITH RAIL

AIT **15-249A**

Contents

Item No.	Socket Size
AIT **10-005A**	5/32"
AIT **10-006A**	3/16"
AIT **10-007A**	7/32"
AIT **10-008A**	1/4"
AIT **10-009A**	9/32"
AIT **10-010A**	5/16"
AIT **10-011A**	11/32"
AIT **10-012A**	3/8"
AIT **10-014A**	7/16"
AIT **10-016A**	1/2"



BK **774-1208** *BK* **774-1108** *BK* **774-1308** *BK* **774-1708**

EVERCRAFT™



BK **774-0109**



BK **774-0108**

1/4 IN. DR. 6 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra-smooth, high polish and finish for added life
- Meets and exceeds U.S. Federal standards for strength and performance
- Full lifetime warranty

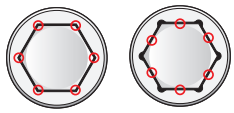
Item No.	Socket Size	*BK* 774-0108 36 Pc. Set w/Case	*BK* 774-0107 17 Pc. Set w/Case	*BK* 774-0110 10 Pc. Set	*BK* 774-0109 7 Pc. Set
6 PT. STANDARD					
BK **774-1205**	5/32"				
BK **774-1206**	3/16"	•	•		
BK **774-1207**	7/32"	•	•		
BK **774-1208**	1/4"	•	•		
BK **774-1209**	9/32"	•	•		
BK **774-1210**	5/16"	•	•		
BK **774-1211**	11/32"	•	•		
BK **774-1212**	3/8"	•	•		
BK **774-1214**	7/16"	•	•		
BK **774-1216**	1/2"	•	•		
BK **774-1304**	4mm				
BK **774-1305**	5mm				
BK **774-1306**	6mm	•			
BK **774-1307**	7mm	•	•		
BK **774-1308**	8mm	•	•		
BK **774-1309**	9mm	•	•		
BK **774-1310**	10mm	•	•		
BK **774-1311**	11mm	•			
BK **774-1312**	12mm	•			
BK **774-1313**	13mm				
6 PT. DEEP					
BK **774-1105**	5/32"				
BK **774-1106**	3/16"	•		•	
BK **774-1107**	7/32"	•		•	
BK **774-1108**	1/4"	•		•	
BK **774-1109**	9/32"	•		•	
BK **774-1110**	5/16"	•		•	
BK **774-1111**	11/32"	•		•	
BK **774-1112**	3/8"	•		•	
BK **774-1114**	7/16"	•		•	
BK **774-1116**	1/2"	•		•	
BK **774-1704**	4mm				
BK **774-1705**	5mm				
BK **774-1706**	6mm	•			•
BK **774-1707**	7mm	•			•
BK **774-1708**	8mm	•			•
BK **774-1709**	9mm	•			•
BK **774-1710**	10mm	•			•
BK **774-1711**	11mm	•			•
BK **774-1712**	12mm	•			•
BK **774-1230**	Univ. Joint Adapter	•			
BK **774-1278**	3" Extension	•	•		
BK **774-1279**	6" Extension	•	•		
BK **774-1276**	Deluxe 5" Ratchet	•			
BK **774-1277**	Driver Handle		•		
BK **774-1275**	Ratchet, Standard		•		

CARLYLE® ADVANTAGE

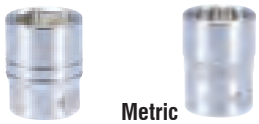
Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on a fasteners with rounded corners.



Other Carlyle®



SAE Metric

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.



For Complete Dimensional Specifications go to www.carlyletools.com

CARLYLE by NAPA

www.carlyletools.com/products/sockets

SAE *CHT* **SS38014**



CHT **SS38012M** MET



3/8 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS38017M 17 Pc. Set w/Case	*CHT* SS38014 14 Pc. Set w/Case	*CHT* SS38019M 19 Pc. Set w/Rail	*CHT* SS38015 15 Pc. Set w/Rail	*CHT* SS38012M 12 Pc. Set w/Rail	*CHT* SS38009 9 Pc. Set w/Rail
CHT **S38008**	1/4"				•		
CHT **S38009**	9/32"				•		
CHT **S38010**	5/16"				•		
CHT **S38011**	11/32"				•		
CHT **S38012**	3/8"		•		•		•
CHT **S38014**	7/16"		•		•		•
CHT **S38016**	1/2"		•		•		•
CHT **S38018**	9/16"		•		•		•
CHT **S38020**	5/8"		•		•		•
CHT **S38022**	11/16"		•		•		•
CHT **S38024**	3/4"		•		•		•
CHT **S38026**	13/16"		•		•		•
CHT **S38028**	7/8"		•		•		•
CHT **S38030**	15/16"				•		
CHT **S38032**	1"				•		
CHT **S38006M**	6mm			•			
CHT **S38007M**	7mm			•			
CHT **S38008M**	8mm	•		•		•	
CHT **S38009M**	9mm	•		•		•	
CHT **S38010M**	10mm	•		•		•	
CHT **S38011M**	11mm	•		•		•	
CHT **S38012M**	12mm	•		•		•	
CHT **S38013M**	13mm	•		•		•	
CHT **S38014M**	14mm	•		•		•	
CHT **S38015M**	15mm	•		•		•	
CHT **S38016M**	16mm	•		•		•	
CHT **S38017M**	17mm	•		•		•	
CHT **S38018M**	18mm	•		•		•	
CHT **S38019M**	19mm	•		•		•	
CHT **S38020M**	20mm			•			
CHT **S38021M**	21mm			•			
CHT **S38022M**	22mm			•			
CHT **S38023M**	23mm			•			
CHT **S38024M**	24mm			•			
CHT **R38TD**	Teardrop Ratchet	•	•				
CHT **EXT3803**	3" Wobble Ext.	•	•				
CHT **EXT3806**	6" Wobble Ext.	•	•				
CHT **UNIV38**	Universal Joint	•	•				
CHT **FH38**	Breaker Bar	•	•				

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE by NAPA

3/8 IN. DR. 8 PT. STANDARD SOCKETS

Item No.	Socket Size
CHT **S38208**	1/4"
CHT **S38209**	9/32"
CHT **S38210**	5/16"
CHT **S38212**	3/8"

Item No.	Socket Size
CHT **S38214**	7/16"
CHT **S38216**	1/2"
CHT **S38218**	9/16"
CHT **S38220**	5/8"

SAE *CHT* **S38218**





SAE *CHT* **SS38115**



MET *CHT* **SS38112M**

MET *CHT* **SS38117M**



3/8 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* **SS38117M** 17 Pc. Set w/Case	*CHT* **SS38114** 14 Pc. Set w/Case	*CHT* **SS38119M** 19 Pc. Set w/Rail	*CHT* **SS38115** 15 Pc. Set w/Rail	*CHT* **SS38112M** 12 Pc. Set w/Rail	*CHT* **SS38109** 9 Pc. Set w/Rail
CHT **S38108**	1/4"				•		
CHT **S38109**	9/32"				•		
CHT **S38110**	5/16"				•		
CHT **S38111**	11/32"				•		
CHT **S38112**	3/8"		•		•		•
CHT **S38114**	7/16"		•		•		•
CHT **S38116**	1/2"		•		•		•
CHT **S38118**	9/16"		•		•		•
CHT **S38120**	5/8"		•		•		•
CHT **S38122**	11/16"		•		•		•
CHT **S38124**	3/4"		•		•		•
CHT **S38126**	13/16"		•		•		•
CHT **S38128**	7/8"		•		•		•
CHT **S38130**	15/16"				•		
CHT **S38132**	1"				•		
CHT **S38106M**	6mm			•			
CHT **S38107M**	7mm			•			
CHT **S38108M**	8mm	•		•		•	
CHT **S38109M**	9mm	•		•		•	
CHT **S38110M**	10mm	•		•		•	
CHT **S38111M**	11mm	•		•		•	
CHT **S38112M**	12mm	•		•		•	
CHT **S38113M**	13mm	•		•		•	
CHT **S38114M**	14mm	•		•		•	
CHT **S38115M**	15mm	•		•		•	
CHT **S38116M**	16mm	•		•		•	
CHT **S38117M**	17mm	•		•		•	
CHT **S38118M**	18mm	•		•		•	
CHT **S38119M**	19mm	•		•		•	
CHT **S38120M**	20mm			•			
CHT **S38121M**	21mm			•			
CHT **S38122M**	22mm			•			
CHT **S38123M**	23mm			•			
CHT **S38124M**	24mm			•			
CHT **R38TD**	Teardrop Ratchet	•	•				
CHT **EXT3803**	3" Wobble Ext.	•	•				
CHT **EXT3806**	6" Wobble Ext.	•	•				
CHT **UNIV38**	Universal Joint	•	•				
CHT **FH38**	Breaker Bar	•	•				

WARNING: Always wear protective eyewear when using hand tools and accessories.
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CARLYLE NAPA



SAE *CHT* **SSMD38011**



MET *CHT* **SSMD38014M**

3/8 IN. DR. 6 PT. MID-DEPTH SOCKETS & SETS

Mid-depth sockets provide additional depth thats over 25% longer than the standard length sockets. Mirror polish chrome-plated finish resists rust. Ideal for limited spaces like dash boards and underhood compartments. Will quickly become your "go to" socket.

Item No.	Socket Size	*CHT* SSMD38011 11 Pc. Set w/Rail
CHT **SMD38008**	1/4"	•
CHT **SMD38010**	5/16"	•
CHT **SMD38012**	3/8"	•
CHT **SMD38014**	7/16"	•
CHT **SMD38016**	1/2"	•
CHT **SMD38018**	9/16"	•
CHT **SMD38020**	5/8"	•
CHT **SMD38022**	11/16"	•
CHT **SMD38024**	3/4"	•
CHT **SMD38026**	13/16"	•
CHT **SMD38028**	7/8"	•

Item No.	Socket Size	*CHT* SSMD38014M 14 Pc. Set w/Rail
CHT **SMD38006M**	6mm	•
CHT **SMD38007M**	7mm	•
CHT **SMD38008M**	8mm	•
CHT **SMD38009M**	9mm	•
CHT **SMD38010M**	10mm	•
CHT **SMD38011M**	11mm	•
CHT **SMD38012M**	12mm	•
CHT **SMD38013M**	13mm	•
CHT **SMD38014M**	14mm	•
CHT **SMD38015M**	15mm	•
CHT **SMD38016M**	16mm	•
CHT **SMD38017M**	17mm	•
CHT **SMD38018M**	18mm	•
CHT **SMD38019M**	19mm	•



SAE *CHT* **SSD38014**



MET *CHT* **SSD38012M**

3/8 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD38014 14 Pc. Set w/Rail	*CHT* SSD38009 9 Pc. Set w/Rail
CHT **SD38008**	1/4"	•	
CHT **SD38010**	5/16"	•	
CHT **SD38011**	11/32"	•	
CHT **SD38012**	3/8"	•	•
CHT **SD38014**	7/16"	•	•
CHT **SD38016**	1/2"	•	•
CHT **SD38018**	9/16"	•	•
CHT **SD38020**	5/8"	•	•
CHT **SD38022**	11/16"	•	•
CHT **SD38024**	3/4"	•	•
CHT **SD38026**	13/16"	•	•
CHT **SD38028**	7/8"	•	•
CHT **SD38030**	15/16"	•	
CHT **SD38032**	1"	•	

Item No.	Socket Size	*CHT* SSD38019M 19 Pc. Set w/Rail	*CHT* SSD38012M 12 Pc. Set w/Rail
CHT **SD38006M**	6mm	•	
CHT **SD38007M**	7mm	•	
CHT **SD38008M**	8mm	•	•
CHT **SD38009M**	9mm	•	•
CHT **SD38010M**	10mm	•	•
CHT **SD38011M**	11mm	•	•
CHT **SD38012M**	12mm	•	•
CHT **SD38013M**	13mm	•	•
CHT **SD38014M**	14mm	•	•
CHT **SD38015M**	15mm	•	•
CHT **SD38016M**	16mm	•	•
CHT **SD38017M**	17mm	•	•
CHT **SD38018M**	18mm	•	•
CHT **SD38019M**	19mm	•	•
CHT **SD38020M**	20mm	•	
CHT **SD38021M**	21mm	•	
CHT **SD38022M**	22mm	•	
CHT **SD38023M**	23mm	•	
CHT **SD38024M**	24mm	•	

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WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE by NAPA



SAE *CHT* **SSD38114**



MET *CHT* **SSD38112M**

3/8 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD38114 14 Pc. Set w/Rail	*CHT* SSD38109 9 Pc. Set w/Rail
CHT **SD38108**	1/4"	•	
CHT **SD38110**	5/16"	•	
CHT **SD38111**	11/32"	•	
CHT **SD38112**	3/8"	•	•
CHT **SD38114**	7/16"	•	•
CHT **SD38116**	1/2"	•	•
CHT **SD38118**	9/16"	•	•
CHT **SD38120**	5/8"	•	•
CHT **SD38122**	11/16"	•	•
CHT **SD38124**	3/4"	•	•
CHT **SD38126**	13/16"	•	•
CHT **SD38128**	7/8"	•	•
CHT **SD38130**	15/16"	•	
CHT **SD38132**	1"	•	

Item No.	Socket Size	*CHT* SSD38119M 19 Pc. Set w/Rail	*CHT* SSD38112M 12 Pc. Set w/Rail
CHT **SD38106M**	6mm	•	
CHT **SD38107M**	7mm	•	
CHT **SD38108M**	8mm	•	•
CHT **SD38109M**	9mm	•	•
CHT **SD38110M**	10mm	•	•
CHT **SD38111M**	11mm	•	•
CHT **SD38112M**	12mm	•	•
CHT **SD38113M**	13mm	•	•
CHT **SD38114M**	14mm	•	•
CHT **SD38115M**	15mm	•	•
CHT **SD38116M**	16mm	•	•
CHT **SD38117M**	17mm	•	•
CHT **SD38118M**	18mm	•	•
CHT **SD38119M**	19mm	•	•
CHT **SD38120M**	20mm	•	
CHT **SD38121M**	21mm	•	
CHT **SD38122M**	22mm	•	
CHT **SD38123M**	23mm	•	
CHT **SD38124M**	24mm	•	



SAE *CHT* **SSU38108**



MET *CHT* **SSU38010M**

3/8 IN. DR. 6 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU38010M 10 Pc. Set w/Rail	*CHT* SSU38008 8 Pc. Set w/Rail
CHT **SU38010**	5/16"		•
CHT **SU38012**	3/8"		•
CHT **SU38014**	7/16"		•
CHT **SU38016**	1/2"		•
CHT **SU38018**	9/16"		•
CHT **SU38020**	5/8"		•
CHT **SU38022**	11/16"		•
CHT **SU38024**	3/4"		•
CHT **SU38007M**	7mm		
CHT **SU38008M**	8mm		
CHT **SU38010M**	10mm	•	
CHT **SU38011M**	11mm	•	
CHT **SU38012M**	12mm	•	
CHT **SU38013M**	13mm	•	
CHT **SU38014M**	14mm	•	
CHT **SU38015M**	15mm	•	
CHT **SU38016M**	16mm	•	
CHT **SU38017M**	17mm	•	
CHT **SU38018M**	18mm	•	
CHT **SU38019M**	19mm	•	

3/8 IN. DR. 12 PT. FLEX SOCKETS & SETS

Item No.	Socket Size	*CHT* SSU38110M 10 Pc. Set w/Rail	*CHT* SSU38108 8 Pc. Set w/Rail
CHT **SU38110**	5/16"		•
CHT **SU38112**	3/8"		•
CHT **SU38114**	7/16"		•
CHT **SU38116**	1/2"		•
CHT **SU38118**	9/16"		•
CHT **SU38120**	5/8"		•
CHT **SU38122**	11/16"		•
CHT **SU38124**	3/4"		•
CHT **SU38107M**	7mm		
CHT **SU38108M**	8mm		
CHT **SU38110M**	10mm	•	
CHT **SU38111M**	11mm	•	
CHT **SU38112M**	12mm	•	
CHT **SU38113M**	13mm	•	
CHT **SU38114M**	14mm	•	
CHT **SU38115M**	15mm	•	
CHT **SU38116M**	16mm	•	
CHT **SU38117M**	17mm	•	
CHT **SU38118M**	18mm	•	
CHT **SU38119M**	19mm	•	

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CHT **BSODP14**



3/8 IN. DR. OIL DRAIN PLUG SOCKETS & SET

The Carlyle oil drain plug sockets is a perfect addition to your arsenal of tools. Quickly and easily service newer style drain plugs.

Item No.	Description	*CHT* **BSODP14 14 Pc. Set w/Rail**
CHT **S38HDP8M**	Hex 8mm; For: BMW, Ford and GM	•
CHT **S38HDP9M**	Hex 9mm; For: GM	•
CHT **S38HDP10M**	Hex 10mm; For: Ford	•
CHT **S38HDP12M**	Hex 12mm; For: Fiat, Lancer and Mercedes	•
CHT **S38HDP14M**	Hex 14mm; For: Lancer and Mercedes	•
CHT **S38HDP17M**	Hex 17mm; For: Audi, VW, BMW and Austin	•
CHT **S38SQDP10**	Square 5/16	•
CHT **S38SQDP12**	Square 3/8; For: Honda, Mazda, Renault, Saab and Volvo	•
CHT **S38SQDP7M**	Square 7mm	•
CHT **S38SQDP8M**	Square 8mm; For: Citerön, Peugeot, Renault, Talbot and Volvo	•
CHT **S38SQDP11M**	Square 11mm; For: Ford	•
CHT **S38SQDP13M**	Square 13mm; For: Nissan and Subaru	•
CHT **S38FSQDP10M**	Female Square 10mm; Used on different gearboxes. For: BMW, Ford, Renault and Toyota	•
CHT **S38MTDP10M**	Male Triangle 10mm; For: Renault	•

CARLYLE by NAPA



CHT **SUSP3820**



CHT **SSP3820**

3/8 IN. DR. SPARK PLUG SOCKETS

Sockets feature mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Socket Size
CHT **SSP3818**	9/16"
CHT **SSP3820**	5/8"
CHT **SSP3824**	3/4"
CHT **SSP3826**	13/16"
CHT **SSP3828**	7/8"
CHT **SSP3818M**	18mm
CHT **SUSP3820**	5/8" Universal Joint
CHT **SUSP3826**	13/16" Universal Joint

GEARWRENCH LIFETIME WARRANTY

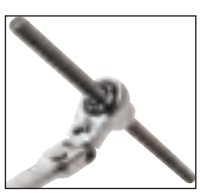
3/8 IN. DRIVE PASS-THRU SOCKETS & SET

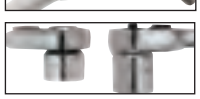
- Up to 50% thinner head profile than conventional ratchet systems
- 11 locking head positions on *APX* **893800**
- 5° Ratcheting arc
- Up to 40% stronger than traditional ratchets by eliminating drive tang
- Dual material comfort grip handle
- Pass-Thru® ratchet and socket system eliminates the need for deep sockets



SAE MET

APX **893823**







APX **132200GR**

Item No.	Socket Size	*APX* **893823 23 Pc. Set w Case**
APX **132120GR**	3/8"	•
APX **132140GR**	7/16"	•
APX **132160GR**	1/2"	•
APX **132180GR**	9/16"	•
APX **132200GR**	5/8"	•
APX **132220GR**	11/16"	•
APX **132240GR**	3/4"	•
APX **132260GR**	13/16"	•
APX **132280GR**	7/8"	•
APX **532100GR**	10mm	•
APX **532110GR**	11mm	•
APX **532120GR**	12mm	•
APX **532130GR**	13mm	•
APX **532140GR**	14mm	•
APX **532150GR**	15mm	•
APX **532160GR**	16mm	•
APX **532170GR**	17mm	•
APX **532180GR**	18mm	•
APX **532190GR**	19mm	•
APX **231060GR**	3" Pass-Thru Extension	•
APX **231080GR**	6" Pass-Thru Extension	•
APX **231061GR**	1/4" Pass-Thru Quick Release Adapter	
APX **231062GR**	3/8" Pass-Thru Quick Release Adapter	•
APX **893800**	XL Locking Flex Pass-Thru Ratchet	•
APX **235080GR**	Pass-Thru Ratchet	

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ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA
LIFETIME WARRANTY

3/8 IN. DR. 6 PT. SOCKETS & SETS

- All tools are made in the USA — quality and availability
- Durable, long lasting blow molded case will not dent, rust, even under the harshest conditions — two piece latches securely hold the box closed
- Bottom half of the case can be removed and placed in a tool storage drawer for organization
- EYE-D™ markings on the sockets optimize size visibility, also marked in blow mold
- Ratchet has compact head design, recessed reversing lever with on/off markings, unique hour class handle design, as well "Torque Wrap" design incorporating a 10° ratcheting arc
- Sockets incorporate a radius corner design that engages the flats of the fastener as well as unique retention method, cold form ball recess, which provides consistent secure retention of the socket to the drive tool
- Knurling on the extension shaft provides a non-slip grip to quickly run down / remove fasteners
- All tools are manufactured from high alloy steel using the most up-to-date manufactured process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E



AIT **44-315**



MET

AIT **38-211**

SAE

AIT **11-014**



Item No.	Socket Size	*AIT* 44-315 29 Pc. Set w/Case	*AIT* 15-330 22 Pc. Set w/Case	*AIT* 15-380 13 Pc. Set w/Rail	*AIT* 15-299 56 Pc. Set w/Case
6 PT. STANDARD					
AIT **11-008**	1/4"				•
AIT **11-010**	5/16"				•
AIT **11-012**	3/8"		•		•
AIT **11-014**	7/16"		•		•
AIT **11-016**	1/2"		•		•
AIT **11-018**	9/16"		•		•
AIT **11-020**	5/8"		•		•
AIT **11-022**	11/16"		•		•
AIT **11-024**	3/4"		•		•
AIT **11-026**	13/16"		•		•
AIT **11-028**	7/8"		•		•
AIT **11-030**	15/16"				•
AIT **11-032**	1"				•
AIT **38-006**	6mm				•
AIT **38-007**	7mm				•
AIT **38-008**	8mm	•			•
AIT **38-009**	9mm	•			•
AIT **38-010**	10mm	•			•
AIT **38-011**	11mm	•			•
AIT **38-012**	12mm	•			•
AIT **38-013**	13mm	•			•
AIT **38-014**	14mm	•			•
AIT **38-015**	15mm	•			•
AIT **38-016**	16mm	•			•
AIT **38-017**	17mm	•			•
AIT **38-018**	18mm	•			•
AIT **38-019**	19mm	•			•
6 PT. DEEP					
AIT **11-208**	1/4"			•	•
AIT **11-210**	5/16"			•	•
AIT **11-212**	3/8"		•	•	•
AIT **11-214**	7/16"		•	•	•
AIT **11-216**	1/2"		•	•	•
AIT **11-218**	9/16"		•	•	•
AIT **11-220**	5/8"		•	•	•
AIT **11-222**	11/16"		•	•	•
AIT **11-224**	3/4"		•	•	•
AIT **11-226**	13/16"		•	•	•
AIT **11-228**	7/8"		•	•	•
AIT **11-230**	15/16"			•	
AIT **11-233**	1"			•	
AIT **38-206**	6mm				•
AIT **38-207**	7mm				•
AIT **38-208**	8mm	•			•
AIT **38-209**	9mm	•			•
AIT **38-210**	10mm	•			•
AIT **38-211**	11mm	•			•
AIT **38-212**	12mm	•			•
AIT **38-213**	13mm	•			•
AIT **38-214**	14mm	•			•
AIT **38-215**	15mm	•			•
AIT **38-216**	16mm	•			•
AIT **38-217**	17mm	•			•
AIT **38-218**	18mm	•			•
AIT **38-219**	19mm	•			•
AIT **11-918**	Breaker Bar, 3/8" Dr.	•			
AIT **11-922**	Extension, 3/8" Dr., 3"	•	•		•
AIT **11-927**	Extension, 3/8" Dr., 12"				
AIT **11-935**	Speeder, 3/8" Dr.				
AIT **11-923**	Extension, 3/8" Dr., 6"	•	•		•
AIT **11-947**	Universal Joint, 3/8" Dr.	•	•		•
AIT **11-972**	Ratchet, 3/8" Dr., 7 3/8"	•	•		
AIT **11-992**	Ratchet, MAXX, 3/8" Dr.				•

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ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA

SAE MET

AIT **15-325**

Item No.	Socket Size	*AIT* 15-340 15 Pc. Set w/Case	*AIT* 15-325 22 Pc. Set w/Case	*AIT* 44-325 16 Pc. Set w/Case	*AIT* 15-345 12 Pc. Set w/Case
12 PT. STANDARD					
AIT **11-112**	3/8"	•	•		•
AIT **11-114**	7/16"	•	•		•
AIT **11-116**	1/2"	•	•		•
AIT **11-118**	9/16"	•	•		•
AIT **11-120**	5/8"	•	•		•
AIT **11-122**	11/16"	•	•		•
AIT **11-124**	3/4"	•	•		•
AIT **11-126**	13/16"	•	•		•
AIT **11-128**	7/8"	•	•		•
AIT **38-106**	6mm			•	
AIT **38-107**	7mm			•	
AIT **38-108**	8mm			•	
AIT **38-109**	9mm			•	
AIT **38-110**	10mm			•	
AIT **38-111**	11mm			•	
AIT **38-112**	12mm			•	
AIT **38-113**	13mm			•	
AIT **38-114**	14mm			•	
AIT **38-115**	15mm			•	
AIT **38-116**	16mm			•	
AIT **38-117**	17mm			•	
AIT **38-118**	18mm			•	
AIT **38-119**	19mm			•	
12 PT. DEEP					
AIT **11-312**	3/8"		•		
AIT **11-314**	7/16"		•		
AIT **11-316**	1/2"		•		
AIT **11-318**	9/16"		•		
AIT **11-320**	5/8"		•		
AIT **11-322**	11/16"		•		
AIT **11-324**	3/4"		•		
AIT **11-326**	13/16"		•		
AIT **11-328**	7/8"		•		
AIT **11-918**	Breaker Bar, 3/8" Dr., 7 3/8"	•			
AIT **11-922**	Extension, 3/8" Dr., 3"	•	•		•
AIT **11-927**	Extension, 3/8" Dr., 12"	•			
AIT **11-935**	Speeder, 3/8" Dr.	•			
AIT **11-923**	Extension, 3/8" Dr., 6"		•	•	•
AIT **11-947**	Universal Joint, 3/8" Dr.	•	•		
AIT **11-972**	Ratchet, 3/8" Dr., 7 3/8"	•	•	•	•

EVERCRAFT™

3/8 IN. DR. 6 PT., 12 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra – smooth, high polish and finish for added life
- Meets and exceeds U.S. Federal standards for strength and performance
- Full lifetime warranty on components



BK **774-0111**



BK **774-0116**



BK **774-1428** *BK* **774-5328**



BK **774-1511** *BK* **774-5411**

Item No.	Socket Size	*BK* 774-0111 43 Pc. Set w/ Case	*BK* 774-0102 13 Pc. Set w/Case	*BK* 774-0101 11 Pc. Set w/Case	*BK* 774-0117 10 Pc. Set	*BK* 774-0116 8 Pc. Set
6 PT. STANDARD						
BK **774-1408**	1/4"		•			
BK **774-1409**	9/32"		•			
BK **774-1410**	5/16"					
BK **774-1412**	3/8"	•	•			
BK **774-1414**	7/16"		•			
BK **774-1506**	6mm					
BK **774-1507**	7mm					
BK **774-1508**	8mm					
BK **774-1509**	9mm					
BK **774-1510**	10mm	•		•		
BK **774-1511**	11mm	•		•		
BK **774-1512**	12mm	•		•		
12 PT. STANDARD						
BK **774-1416**	1/2"	•	•			
BK **774-1418**	9/16"	•	•			
BK **774-1420**	5/8"	•	•			
BK **774-1422**	11/16"	•	•			
BK **774-1424**	3/4"	•	•			
BK **774-1426**	13/16"	•	•			
BK **774-1428**	7/8"	•	•			
BK **774-1513**	13mm	•		•		
BK **774-1514**	14mm	•		•		
BK **774-1515**	15mm	•		•		
BK **774-1516**	16mm	•		•		
BK **774-1517**	17mm	•		•		
BK **774-1518**	18mm	•		•		
BK **774-1519**	19mm	•		•		
BK **774-1521**	21mm					
6 PT. DEEP						
BK **774-5308**	1/4"					
BK **774-5310**	5/16"					
BK **774-5312**	3/8"	•				•
BK **774-5314**	7/16"	•				•
BK **774-5316**	1/2"	•				•
BK **774-5318**	9/16"	•				•
BK **774-5320**	5/8"	•				•
BK **774-5322**	11/16"	•				•
BK **774-5324**	3/4"	•				•
BK **774-5326**	13/16"	•				•
BK **774-5328**	7/8"					
BK **774-5330**	15/16"					
BK **774-5332**	1"					
BK **774-5407**	7mm					
BK **774-5408**	8mm					
BK **774-5409**	9mm					
BK **774-5410**	10mm	•			•	
BK **774-5411**	11mm	•			•	
BK **774-5412**	12mm	•			•	
BK **774-5413**	13mm	•			•	
BK **774-5414**	14mm	•			•	
BK **774-5415**	15mm	•			•	
BK **774-5416**	16mm	•			•	
BK **774-5417**	17mm	•			•	
BK **774-5418**	18mm	•			•	
BK **774-5419**	19mm	•			•	
BK **774-5421**	21mm					
BK **774-5422**	22mm					
BK **774-1480**	8" Standard Ratchet		•	•		
BK **774-1475**	3" Extension	•	•			
BK **774-1478**	5/8" Spark Plug Socket	•				
BK **774-1476**	6" Extension	•				
BK **774-1481**	8" Deluxe Ratchet	•				
BK **774-1477**	13/16" Spark Plug Socket	•				
BK **774-1431**	Univ. Joint Adapter	•				

3/8 IN. DR. 6 PT. FLEX SOCKETS & SETS

EVERCRAFT™

Item No.	Socket Size	BK 774-0122 17 Pc. Set w/Tray	BK 774-0121 10 Pc. Set w/Tray	BK 774-0120 7 Pc. Set w/Case
BK **774-5712**	3/8"	•		•
BK **774-5714**	7/16"	•		•
BK **774-5716**	1/2"	•		•
BK **774-5718**	9/16"	•		•
BK **774-5720**	5/8"	•		•
BK **774-5722**	11/16"	•		•
BK **774-5724**	3/4"	•		•
BK **774-5810**	10mm	•	•	
BK **774-5811**	11mm	•	•	
BK **774-5812**	12mm	•	•	
BK **774-5813**	13mm	•	•	
BK **774-5814**	14mm	•	•	
BK **774-5815**	15mm	•	•	
BK **774-5816**	16mm	•	•	
BK **774-5817**	17mm	•	•	
BK **774-5818**	18mm	•	•	
BK **774-5819**	19mm	•	•	



BK **774-0122**

CARLYLE® ADVANTAGE

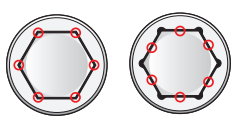
Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

CARLYLE by NAPA

www.carlyletools.com/products/sockets

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on a fasteners with rounded corners.


Other Carlyle®


For Complete Dimensional Specifications go to www.carlyletools.com

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.


SAE


Metric


SAE CHT **SS12006**


SAE CHT **SS12020**

1/2 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	CHT SS12020 20 Pc. Set w/Case	CHT SS12013 13 Pc. Set w/Rail	CHT SS12006 6 Pc. Set w/Rail
CHT **S12012**	3/8"		•	
CHT **S12014**	7/16"	•	•	
CHT **S12016**	1/2"	•	•	
CHT **S12018**	9/16"	•	•	
CHT **S12020**	5/8"	•	•	
CHT **S12022**	11/16"	•	•	
CHT **S12024**	3/4"	•	•	
CHT **S12026**	13/16"	•	•	
CHT **S12028**	7/8"	•	•	
CHT **S12030**	15/16"	•	•	
CHT **S12032**	1"	•	•	
CHT **S12034**	1 1/16"	•	•	
CHT **S12036**	1 1/8"	•	•	
CHT **S12038**	1 3/16"	•		•
CHT **S12040**	1 1/4"	•		•
CHT **S12042**	1 5/16"			•
CHT **S12044**	1 3/8"			•
CHT **S12046**	1 7/16"			•
CHT **S12048**	1 1/2"			•
CHT **R12TD**	Teardrop Ratchet	•		
CHT **EXT1203**	3" Extension	•		
CHT **EXT1206**	6" Extension	•		
CHT **EXT1210**	10" Extension	•		
CHT **UNIV12**	Universal Joint	•		
CHT **FH1215**	15" Breaker Bar	•		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA



MET *CHT* **SS12010M**



MET *CHT* **SS12021M**

1/2 IN. DR. 6 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS12021M 21 Pc. Set w/Case	*CHT* SS12015M 15 Pc. Set w/Rail	*CHT* SS12010M 10 Pc. Set w/Rail	*CHT* SS12008M 8 Pc. Set w/Rail
CHT **S12010M**	10mm	•	•	•	
CHT **S12011M**	11mm	•	•	•	
CHT **S12012M**	12mm	•	•	•	
CHT **S12013M**	13mm	•	•	•	
CHT **S12014M**	14mm	•	•	•	
CHT **S12015M**	15mm	•	•	•	
CHT **S12016M**	16mm	•	•	•	
CHT **S12017M**	17mm	•	•	•	
CHT **S12018M**	18mm	•	•	•	
CHT **S12019M**	19mm	•	•	•	
CHT **S12020M**	20mm	•	•		
CHT **S12021M**	21mm	•	•		
CHT **S12022M**	22mm	•	•		
CHT **S12023M**	23mm	•	•		
CHT **S12024M**	24mm	•	•		
CHT **S12025M**	25mm				•
CHT **S12026M**	26mm				•
CHT **S12027M**	27mm				•
CHT **S12028M**	28mm				•
CHT **S12029M**	29mm				•
CHT **S12030M**	30mm				•
CHT **S12031M**	31mm				•
CHT **S12032M**	32mm				•
CHT **R12TD**	Teardrop Ratchet	•			
CHT **EXT1203**	3" Extension	•			
CHT **EXT1206**	6" Extension	•			
CHT **EXT1210**	10" Extension	•			
CHT **UNIV12**	Universal Joint	•			
CHT **FH1215**	15" Breaker Bar	•			

1/2 IN. DR. 8 PT. STANDARD SOCKETS

Item No.	Socket Size
CHT **S12212**	3/8"
CHT **S12214**	7/16"
CHT **S12216**	1/2"
CHT **S12218**	9/16"
CHT **S12220**	5/8"
CHT **S12222**	11/16"

Item No.	Socket Size
CHT **S12224**	3/4"
CHT **S12226**	13/16"
CHT **S12228**	7/8"
CHT **S12230**	15/16"
CHT **S12232**	1"



SAE *CHT* **S12230**

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE NAPA



SAE CHT SS12113



MET CHT SS12110M

1/2 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	CHT SS12120 20 Pc. Set w/Case	CHT SS12121M 21 Pc. Set w/Case	CHT SS12119M 19 Pc. Set w/Rail	CHT SS12113 13 Pc. Set w/Rail	CHT SS12110M 10 Pc. Set w/Rail	CHT SS12106 6 Pc. Set w/Rail	CHT SS12106M 6 Pc. Set w/Rail
CHT S12112	3/8"				•			
CHT S12114	7/16"	•			•			
CHT S12116	1/2"	•			•			
CHT S12118	9/16"	•			•			
CHT S12120	5/8"	•			•			
CHT S12122	11/16"	•			•			
CHT S12124	3/4"	•			•			
CHT S12126	13/16"	•			•			
CHT S12128	7/8"	•			•			
CHT S12130	15/16"	•			•			
CHT S12132	1"	•			•			
CHT S12134	1 1/16"	•			•			
CHT S12136	1 1/8"	•			•			
CHT S12138	1 3/16"	•					•	
CHT S12140	1 1/4"	•					•	
CHT S12142	1 5/16"						•	
CHT S12144	1 3/8"						•	
CHT S12146	1 7/16"						•	
CHT S12148	1 1/2"						•	
CHT S12109M	9mm							
CHT S12110M	10mm		•	•		•		
CHT S12111M	11mm		•	•		•		
CHT S12112M	12mm		•	•		•		
CHT S12113M	13mm		•	•		•		
CHT S12114M	14mm		•	•		•		
CHT S12115M	15mm		•	•		•		
CHT S12116M	16mm		•	•		•		
CHT S12117M	17mm		•	•		•		
CHT S12118M	18mm		•	•		•		
CHT S12119M	19mm		•	•		•		
CHT S12120M	20mm		•	•				
CHT S12121M	21mm		•	•				
CHT S12122M	22mm		•	•				
CHT S12123M	23mm		•	•				
CHT S12124M	24mm		•	•				
CHT S12125M	25mm			•				
CHT S12126M	26mm			•				
CHT S12127M	27mm			•				
CHT S12128M	28mm			•				
CHT S12129M	29mm							•
CHT S12130M	30mm							•
CHT S12131M	31mm							•
CHT S12132M	32mm							•
CHT S12134M	34mm							•
CHT S12136M	36mm							•
CHT R12TD	Teardrop Ratchet	•	•					
CHT EXT1203	3" Extension	•	•					
CHT EXT1206	6" Extension	•	•					
CHT EXT1210	10" Extension	•	•					
CHT UNIV12	Universal Joint	•	•					
CHT FH1215	15" Breaker Bar	•	•					

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE by NAPA



SAE *CHT* **SSD12013**



MET *CHT* **SSD12015M**

1/2 IN. DR. 6 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD12015M 15 Pc. Set w/Rail	*CHT* SSD12013 13 Pc. Set w/Rail	*CHT* SSD12010M 10 Pc. Set w/Rail	*CHT* SSD12008M 8 Pc. Set w/Rail	*CHT* SSD12006 6 Pc. Set w/Rail
CHT **SD12012**	3/8"		•			
CHT **SD12014**	7/16"		•			
CHT **SD12016**	1/2"		•			
CHT **SD12018**	9/16"		•			
CHT **SD12020**	5/8"		•			
CHT **SD12022**	11/16"		•			
CHT **SD12024**	3/4"		•			
CHT **SD12026**	13/16"		•			
CHT **SD12028**	7/8"		•			
CHT **SD12030**	15/16"		•			
CHT **SD12032**	1"		•			
CHT **SD12034**	1 1/16"		•			
CHT **SD12036**	1 1/8"		•			
CHT **SD12038**	1 3/16"					•
CHT **SD12040**	1 1/4"					•
CHT **SD12042**	1 5/16"					•
CHT **SD12044**	1 3/8"					•
CHT **SD12046**	1 7/16"					•
CHT **SD12048**	1 1/2"					•
CHT **SD12010M**	10mm	•		•		
CHT **SD12011M**	11mm	•		•		
CHT **SD12012M**	12mm	•		•		
CHT **SD12013M**	13mm	•		•		
CHT **SD12014M**	14mm	•		•		
CHT **SD12015M**	15mm	•		•		
CHT **SD12016M**	16mm	•		•		
CHT **SD12017M**	17mm	•		•		
CHT **SD12018M**	18mm	•		•		
CHT **SD12019M**	19mm	•		•		
CHT **SD12020M**	20mm	•				
CHT **SD12021M**	21mm	•				
CHT **SD12022M**	22mm	•				
CHT **SD12023M**	23mm	•				
CHT **SD12024M**	24mm	•				
CHT **SD12025M**	25mm				•	
CHT **SD12026M**	26mm				•	
CHT **SD12027M**	27mm				•	
CHT **SD12028M**	28mm				•	
CHT **SD12029M**	29mm				•	
CHT **SD12030M**	30mm				•	
CHT **SD12031M**	31mm				•	
CHT **SD12032M**	32mm				•	

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE NAPA



SAE *CHT* **SSD12113**



MET *CHT* **SSD12115M**

1/2 IN. DR. 12 PT. DEEP SOCKETS & SETS

Item No.	Socket Size	*CHT* SSD12115M 15 Pc. Set w/Rail	*CHT* SSD12113 13 Pc. Set w/Rail	*CHT* SSD12110M 10 Pc. Set w/Rail	*CHT* SSD12108M 8 Pc. Set w/Rail	*CHT* SSD12106 6 Pc. Set w/Rail
CHT **SD12112**	3/8"		•			
CHT **SD12114**	7/16"		•			
CHT **SD12116**	1/2"		•			
CHT **SD12118**	9/16"		•			
CHT **SD12120**	5/8"		•			
CHT **SD12122**	11/16"		•			
CHT **SD12124**	3/4"		•			
CHT **SD12126**	13/16"		•			
CHT **SD12128**	7/8"		•			
CHT **SD12130**	15/16"		•			
CHT **SD12132**	1"		•			
CHT **SD12134**	1 1/16"		•			
CHT **SD12136**	1 1/8"		•			
CHT **SD12138**	1 3/16"					•
CHT **SD12140**	1 1/4"					•
CHT **SD12142**	1 5/16"					•
CHT **SD12144**	1 3/8"					•
CHT **SD12146**	1 7/16"					•
CHT **SD12148**	1 1/2"					•
CHT **SD12110M**	10mm	•		•		
CHT **SD12111M**	11mm	•		•		
CHT **SD12112M**	12mm	•		•		
CHT **SD12113M**	13mm	•		•		
CHT **SD12114M**	14mm	•		•		
CHT **SD12115M**	15mm	•		•		
CHT **SD12116M**	16mm	•		•		
CHT **SD12117M**	17mm	•		•		
CHT **SD12118M**	18mm	•		•		
CHT **SD12119M**	19mm	•		•		
CHT **SD12120M**	20mm	•				
CHT **SD12121M**	21mm	•				
CHT **SD12122M**	22mm	•				
CHT **SD12123M**	23mm	•				
CHT **SD12124M**	24mm	•				
CHT **SD12125M**	25mm				•	
CHT **SD12126M**	26mm				•	
CHT **SD12127M**	27mm				•	
CHT **SD12128M**	28mm				•	
CHT **SD12129M**	29mm				•	
CHT **SD12130M**	30mm				•	
CHT **SD12131M**	31mm				•	
CHT **SD12132M**	32mm				•	

1/2 IN. DR. SPARK PLUG SOCKETS

Item No.	Socket Size
CHT **SSP1220**	5/8"
CHT **SSP1226**	13/16"

SAE *CHT* **SSP1220**

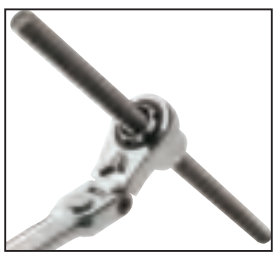


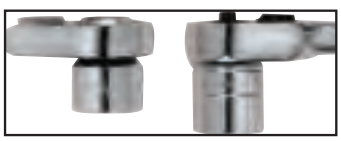
WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

GEARWRENCH

1/2 IN. DR. XL PASS-THRU LOCKING FLEX RATCHET SET

- Up to 50% thinner head profile than conventional ratchet systems
- 11 locking head positions
- 5° Ratcheting arc
- Up to 40% stronger than traditional ratchets by eliminating drive tang
- Dual material comfort grip handle
- Pass-Thru® ratchet and socket system eliminates the need for deep sockets







APX **891226**



APX **142320GR**

Item No.	Socket Size	*APX* **891226** 24 Pc. Set w/Case
APX **142200GR**	5/8"	•
APX **142220GR**	11/16"	•
APX **142240GR**	3/4"	•
APX **142260GR**	13/16"	•
APX **142280GR**	7/8"	•
APX **142300GR**	15/16"	
APX **142320GR**	1"	•
APX **142340GR**	1 1/16"	•
APX **142360GR**	1 1/8"	•
APX **142380GR**	1 1/4"	•
APX **542150GR**	15mm	•
APX **542160GR**	16mm	•
APX **542170GR**	17mm	•
APX **542180GR**	18mm	•
APX **542190GR**	19mm	•
APX **542200GR**	20mm	•
APX **542210GR**	21mm	•
APX **542220GR**	22mm	•
APX **542240GR**	24mm	•
APX **542270GR**	27mm	•
APX **542300GR**	30mm	•
APX **542320GR**	32mm	•
APX **241080GR**	3" Pass-Thru Extension	•
APX **241062GR**	1/2" Pass-Thru Quick Release Adapter	•
APX **891200**	XL Locking Flex Pass-Thru Ratchet	•

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA

1/2 IN. DR. 6 PT. SOCKETS & SETS

- All tools are made in the USA — quality and availability
- Durable, long lasting blow molded case will not dent, rust, even under the harshest conditions — two piece latches securely hold the box closed
- Bottom half of the case can be removed and placed in a tool storage drawer for organization
- EYE-D™ markings on the sockets optimize size visibility, also marked in blow mold
- Ratchet has compact head design, recessed reversing lever with on/off markings, unique hour class handle design, as well "Torque Wrap" design incorporating a 10° ratcheting arc
- Sockets incorporate a radius corner design that engages the flats of the fastener as well as unique retention method, cold form ball recess, which provides consistent secure retention of the socket to the drive tool
- Knurling on the extension shaft provides a non-slip grip to quickly run down / remove fasteners
- All tools are manufactured from high alloy steel using the most up-to-date manufactured process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E



SAE

AIT **15-530**



SAE

AIT **12-020**

AIT **12-220**

Item No.	Socket Size	*AIT* 15-530 18 Pc. Set w/Case	*AIT* 15-570 19 Pc. Set w/Rails
6 PT. STANDARD			
AIT **12-012**	3/8"	•	
AIT **12-014**	7/16"	•	
AIT **12-016**	1/2"	•	
AIT **12-018**	9/16"	•	
AIT **12-020**	5/8"	•	
AIT **12-022**	11/16"	•	
AIT **12-024**	3/4"	•	
AIT **12-026**	13/16"	•	
AIT **12-028**	7/8"	•	
AIT **12-030**	15/16"	•	
AIT **12-032**	1"	•	
AIT **12-034**	1 1/16"	•	
AIT **12-036**	1 1/8"	•	
AIT **12-038**	1 3/16"	•	
AIT **12-040**	1 1/4"	•	
AIT **39-010**	10mm		
AIT **39-011**	11mm		
AIT **39-012**	12mm		
AIT **39-013**	13mm		
AIT **39-014**	14mm		
AIT **39-015**	15mm		
AIT **39-016**	16mm		
AIT **39-017**	17mm		
AIT **39-018**	18mm		
AIT **39-019**	19mm		
AIT **39-020**	20mm		
AIT **39-021**	21mm		
AIT **39-022**	22mm		
AIT **39-023**	23mm		
AIT **39-024**	24mm		
6 PT. DEEP			
AIT **12-212**	3/8"		•
AIT **12-214**	7/16"		•
AIT **12-216**	1/2"		•
AIT **12-218**	9/16"		•
AIT **12-220**	5/8"		•
AIT **12-222**	11/16"		•
AIT **12-224**	3/4"		•
AIT **12-226**	13/16"		•
AIT **12-228**	7/8"		•
AIT **12-230**	15/16"		•
AIT **12-232**	1"		•
AIT **12-234D**	1 1/16"		•
AIT **12-236D**	1 1/8"		•
AIT **12-238D**	1 3/16"		•
AIT **12-240**	1 1/4"		•
AIT **12-242**	1/"		•
AIT **12-244**	1 3/8"		•
AIT **12-246D**	1 7/16"		•
AIT **12-248**	1 1/2"		•
12 PT. STANDARD			
AIT **12-114**	7/16"		
AIT **12-116**	1/2"		
AIT **12-118**	9/16"		
AIT **12-120**	5/8"		
AIT **12-122**	11/16"		
AIT **12-124**	3/4"		
AIT **12-126**	13/16"		
AIT **12-128**	7/8"		
AIT **12-130**	15/16"		
AIT **12-132**	1"		
AIT **12-921**	Extension, 1/2" Dr., 2"		
AIT **12-923**	Extension, 1/2" Dr., 5"	•	
AIT **12-924**	Extension, 1/2" Dr., 10"		
AIT **12-947**	Universal Joint, 1/2" Dr.		
AIT **12-972**	Ratchet, 1/2" Dr., 10 1/2"	•	
AIT **12-992**	Ratchet Maxx, 1/2" Dr.		
AIT **12-918**	Breaker Bar, 1/2" Dr., 17"	•	

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA
LIFETIME WARRANTY

1/2 IN. DR. 12 PT. SOCKETS & SETS

- All tools are made in the USA — quality and availability
- Bottom half of the case can be removed and placed in a tool storage drawer for organization
- EYE-D™ markings on the sockets optimize size visibility, also marked in blow mold
- Ratchet has compact head design, recessed reversing lever with on/off markings, unique hour class handle design, as well "Torque Wrap" design incorporating a 10° ratcheting arc
- Sockets incorporate a radius corner design that engages the flats of the fastener as well as unique retention method, cold form ball recess, which provides consistent secure retention of the socket to the drive tool
- Knurling on the extension shaft provides a non-slip grip to quickly run down / remove fasteners
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E



AIT **44-510**



AIT **44-540**

MET

SAE



AIT **12-124A**



AIT **39-315**

Item No.	Socket Size	*AIT* 44-510 31 Pc. Set w/Case	*AIT* 15-510 30 Pc. Set w/Case	*AIT* 44-515 29 Pc. Set w/Case	*AIT* 44-525 16 Pc. Set w/Case	*AIT* 44-540 15 Pc. Set w/Rail	*AIT* 44-545 15 Pc. Set w/Rail
12 PT. STANDARD							
AIT **12-112**	3/8"		•				
AIT **12-114**	7/16"		•				
AIT **12-116**	1/2"		•				
AIT **12-118**	9/16"		•				
AIT **12-120**	5/8"		•				
AIT **12-122**	11/16"		•				
AIT **12-124**	3/4"		•				
AIT **12-126**	13/16"		•				
AIT **12-128**	7/8"		•				
AIT **12-130**	15/16"		•				
AIT **12-132**	1"		•				
AIT **12-134**	1 1/16"		•				
AIT **12-136**	1 1/8"		•				
AIT **12-140**	1 1/4"		•				
AIT **39-110**	10mm	•		•	•	•	•
AIT **39-111**	11mm	•		•	•	•	•
AIT **39-112**	12mm	•		•	•	•	•
AIT **39-113**	13mm	•		•	•	•	•
AIT **39-114**	14mm	•		•	•	•	•
AIT **39-115**	15mm	•		•	•	•	•
AIT **39-116**	16mm	•		•	•	•	•
AIT **39-117**	17mm	•		•	•	•	•
AIT **39-118**	18mm	•		•	•	•	•
AIT **39-119**	19mm	•		•	•	•	•
AIT **39-120**	20mm	•		•	•	•	•
AIT **39-121**	21mm	•		•	•	•	•
AIT **39-122**	22mm	•		•	•	•	•
AIT **39-123**	23mm	•		•	•	•	•
AIT **39-124**	24mm	•		•		•	•
AIT **39-125**	25mm	•		•			
AIT **39-126**	26mm	•		•			
AIT **39-127**	27mm			•			
AIT **39-128**	28mm			•			
AIT **39-129**	29mm			•			
AIT **39-130**	30mm			•			
AIT **39-132**	32mm			•			
AIT **39-136**	36mm			•			
12 PT. DEEP							
AIT **12-316**	1/2"		•				
AIT **12-318**	9/16"		•				
AIT **12-320**	5/8"		•				
AIT **12-322**	11/16"		•				
AIT **12-324**	3/4"		•				
AIT **12-326**	13/16"		•				
AIT **12-328**	7/8"		•				
AIT **12-330**	15/16"		•				
AIT **12-332**	1"		•				
AIT **12-334**	1 1/16"		•				
AIT **12-336**	1 1/8"		•				
AIT **12-340**	1 1/4"		•				
AIT **39-310**	10mm						
AIT **39-311**	11mm						
AIT **39-312**	12mm						
AIT **39-313**	13mm						
AIT **39-314**	14mm						
AIT **39-315**	15mm						
AIT **39-316**	16mm	•					
AIT **39-317**	17mm	•					
AIT **39-318**	18mm	•					
AIT **39-319**	19mm	•					
AIT **39-320**	20mm	•					
AIT **39-321**	21mm	•					
AIT **39-322**	22mm	•					
AIT **39-324**	24mm	•					
AIT **39-325**	25mm	•					
AIT **39-326**	26mm	•					
AIT **12-921**	Extension, 1/2" Dr., 2"			•			
AIT **12-923**	Extension, 1/2" Dr., 5"	•	•	•	•		
AIT **12-924**	Extension, 1/2" Dr., 10"	•	•	•			
AIT **12-947**	Universal Joint, 1/2" Dr.			•			
AIT **12-972**	Ratchet, 1/2" Dr., 10 1/2"	•	•	•	•		
AIT **12-992**	Ratchet Maxx, 1/2" Dr.						
AIT **12-918**	Breaker Bar, 1/2" Dr., 17"	•	•	•			

EVERCRAFT™

1/2 IN. DR. 6 PT., 12 PT. SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra - smooth, high polish and finish for added life
- Meets and exceeds U.S. Federal standards for strength and performance
- Full lifetime warranty

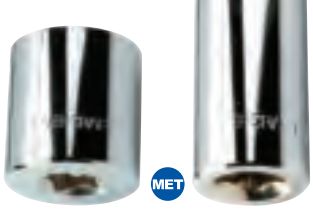


BK **774-0112**



BK **774-1620**

BK **774-1924**



BK **774-5522**

BK **774-5621**

Item No.	Socket Size	*BK* 774-0112 40 Pc. Set w/Case	*BK* 774-0105 16 Pc. Set w/Case	*BK* 774-0114 9 Pc. Set w/Case	*BK* 774-0115 7 Pc. Set w/Case
6 PT. STANDARD					
BK **774-1612**	3/8"				
BK **774-1614**	7/16"	•	•		
BK **774-1616**	1/2"	•	•		
BK **774-1618**	9/16"	•	•		
BK **774-1620**	5/8"	•	•		
BK **774-5510**	10mm	•			
BK **774-5511**	11mm	•			
BK **774-5512**	12mm	•			
BK **774-5513**	13mm	•			
BK **774-5514**	14mm	•			
BK **774-5515**	15mm	•			
BK **774-5516**	16mm				
12 PT. STANDARD					
BK **774-1622**	11/16"	•	•		
BK **774-1624**	3/4"	•	•		
BK **774-1626**	13/16"	•	•		
BK **774-1628**	7/8"	•	•		
BK **774-1630**	15/16"	•	•		
BK **774-1632**	1"	•	•		
BK **774-1634**	1 1/16"	•	•		
BK **774-1636**	1 1/8"		•		
BK **774-1638**	1 3/16"				
BK **774-1640**	1 1/4"		•		
BK **774-1648**	1 1/2"				
BK **774-5517**	17mm	•			
BK **774-5518**	18mm				
BK **774-5519**	19mm	•			
BK **774-5520**	20mm				
BK **774-5521**	21mm	•			
BK **774-5522**	22mm	•			
BK **774-5523**	23mm				
BK **774-5524**	24mm				
BK **774-5525**	25mm				
BK **774-5526**	26mm				
BK **774-5527**	27mm				
BK **774-5528**	28mm				
BK **774-5529**	29mm				
BK **774-5530**	30mm				
BK **774-5531**	31mm				
BK **774-5532**	32mm				
BK **774-5533**	33mm				
BK **774-5534**	34mm				
BK **774-5535**	35mm				
BK **774-5536**	36mm				
6 PT. DEEP					
—	7/16"	•			
BK **774-1916**	1/2"	•			•
BK **774-1918**	9/16"	•			•
BK **774-1920**	5/8"	•			•
BK **774-1922**	11/16"	•			•
BK **774-1924**	3/4"	•			•
BK **774-1926**	13/16"				•
BK **774-1928**	7/8"				•
BK **774-1930**	15/16"				
BK **774-1932**	1"				
BK **774-1934**	1 1/16"				
BK **774-1936**	1 1/8"				
BK **774-1940**	1 1/4"				
BK **774-5610**	10mm	•		•	
BK **774-5611**	11mm				
BK **774-5612**	12mm	•		•	
BK **774-5613**	13mm	•		•	
BK **774-5614**	14mm	•		•	
BK **774-5615**	15mm	•		•	
BK **774-5617**	17mm	•		•	
BK **774-5619**	19mm	•		•	
BK **774-5621**	21mm			•	
BK **774-5622**	22mm			•	
BK **774-5623**	23mm				
BK **774-5624**	24mm				
BK **774-5627**	27mm				
BK **774-1677**	Spark Plug 5/8"	•			
BK **774-1679**	Spark Plug 13/16"	•			
BK **774-1470**	T-Bar Adapter	•			
BK **774-1675**	5" Extension	•	•		
BK **774-1670**	10" Extension	•			
BK **774-1676**	10" Standard Ratchet		•		
BK **774-1678**	17" Flex Handle		•		
BK **774-1680**	10" Ratchet, Deluxe	•			

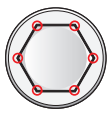
CARLYLE by NAPA

CARLYLE® ADVANTAGE

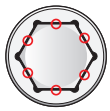
Carlyle professional sockets are guaranteed to deliver on the promise we have made over the course of 75 years to deliver the highest caliber product day in and day out. Featuring over 700 individual products in SAE and metric sizes, 6-point and 12-point designs, standard lengths and deep lengths, there is no application too large or too small that cannot be taken on with the only line of sockets strong enough to bear the Carlyle name.

RADIUS CORNERS

Radius corners move the socket contact points to the flats of the fastener and not the corners. This not only reduces the chance of rounding or stripping the fastener, but provides additional torque on a fasteners with rounded corners.



Other



Carlyle®



SAE



Metric

EASY SOCKET IDENTIFICATION

Deep rolled stamped markings provide easy identification. Lateral rings on SAE sockets and vertical knurling on metric sizes make the right tool easy to identify.



For Complete Dimensional Specifications go to www.carlyletools.com

www.carlyletools.com/products/sockets



SAE *CHT* **SS3423**

3/4 IN. DR. 12 PT. STANDARD SOCKETS & SETS

Item No.	Socket Size	*CHT* SS3423 23 Pc. Set w/Case	*CHT* SS3413 13 Pc. Set w/Case	*CHT* SS3411 11 Pc. Set w/Case
CHT **S34024**	3/4"			
CHT **S34026**	13/16"			
CHT **S34028**	7/8"			
CHT **S34030**	15/16"	•	•	•
CHT **S34032**	1"	•	•	
CHT **S34034**	1 1/16"	•	•	•
CHT **S34036**	1 1/8"	•	•	•
CHT **S34038**	1 3/16"	•		
CHT **S34040**	1 1/4"	•	•	•
CHT **S34042**	1 5/16"	•		•
CHT **S34044**	1 3/8"	•	•	•
CHT **S34046**	1 7/16"	•	•	•
CHT **S34048**	1 1/2"	•	•	•
CHT **S34050**	1 9/16"	•		
CHT **S34052**	1 5/8"	•	•	•
CHT **S34054**	1 11/16"	•		
CHT **S34056**	1 3/4"	•		
CHT **S34058**	1 13/16"	•		
CHT **S34060**	1 7/8"	•		
CHT **S34064**	2"	•		
CHT **S34066**	2 1/16"			
CHT **S34068**	2 1/8"			
CHT **S34070**	2 3/16"			
CHT **S34072**	2 1/4"			
CHT **S34074**	2 5/16"			
CHT **S34076**	2 3/8"			
CHT **S34078**	2 7/16"			
CHT **S34080**	2 1/2"			
CHT **STH34**	Sliding T-Handle	•		•
CHT **EXT3405**	5" Extension	•		
CHT **EXT3408**	8" Extension	•	•	•
CHT **EXT3416**	16" Extension	•	•	
CHT **FH3419**	Breaker Bar	•	•	
CHT **R34**	QR Ratchet	•	•	

WARNING: Always wear protective eyewear when using hand tools and accessories.

WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA

3/4 IN. DR. 12 PT. SOCKETS & SETS

- All tools are made in the USA — quality and availability
- Extra heavy-duty gauge metal box with full hinge is specifically designed for large drive size socket sets
- EYE-D™ markings on the sockets optimize size visibility, also cut into the foam
- Ratchet has compact head design, recessed reversing lever, unique "I-Beam" handle design, as well as the "Torque Wrap" design incorporating a 15° ratcheting arc
- Socket wall dimensions are optimized to provide strength while retaining access to restricted fasteners
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E



AIT **44-705**



AIT **40-136**

Item No.	Socket Size	*AIT* 15-705 29 Pc. Set w/Case	*AIT* 44-705 28 Pc. Set w/Case	*AIT* 44-710 19 Pc. Set w/Case	*AIT* 15-715 13 Pc. Set w/Case
AIT **13-128**	7/8"	•			•
AIT **13-130**	15/16"	•			•
AIT **13-132**	1"	•			•
AIT **13-134**	1 1/16"	•			•
AIT **13-136**	1 1/8"	•			•
AIT **13-138**	1 3/16"	•			•
AIT **13-140**	1 1/4"	•			•
AIT **13-142**	1 5/16"	•			•
AIT **13-144**	1 3/8"	•			•
AIT **13-146**	1 7/16"	•			•
AIT **13-148**	1 1/2"	•			•
AIT **13-150**	1 9/16"	•			
AIT **13-152**	1 5/8"	•			
AIT **13-154**	1 11/16"	•			
AIT **13-156**	1 3/4"	•			
AIT **13-158**	1 13/16"	•			
AIT **13-160**	1 7/8"	•			
AIT **13-164**	2"	•			
AIT **13-168**	2 1/8"	•			
AIT **13-170**	2 3/16"	•			
AIT **13-172**	2 1/4"	•			
AIT **13-176**	2 3/8"	•			
AIT **40-121**	21mm		•		
AIT **40-122**	22mm		•		
AIT **40-123**	23mm		•	•	
AIT **40-124**	24mm		•	•	
AIT **40-125**	25mm		•	•	
AIT **40-126**	26mm		•	•	
AIT **40-127**	27mm		•	•	
AIT **40-128**	28mm		•	•	
AIT **40-129**	29mm		•	•	
AIT **40-130**	30mm		•	•	
AIT **40-132**	32mm		•	•	
AIT **40-135**	35mm		•	•	
AIT **40-136**	36mm		•	•	
AIT **40-138**	38mm		•	•	
AIT **40-141**	41mm		•	•	
AIT **40-142**	42mm		•	•	
AIT **40-146**	46mm		•	•	
AIT **40-150**	50mm		•		
AIT **40-154**	54mm		•		
AIT **40-155**	55mm		•		
AIT **40-158**	58mm		•		
AIT **40-160**	60mm		•		
AIT **13-972**	Ratchet, 3/4" Dr., 19"	•	•	•	•
AIT **13-918**	Breaker Bar, 3/4" Dr., 22"	•	•	•	
AIT **13-922**	Extension, 3/4" Dr., 5"	•	•		
AIT **13-923**	Extension, 3/4" Dr., 8"	•	•	•	•
AIT **13-925**	Extension, 3/4" Dr., 16"	•		•	
AIT **13-938**	T-Handle, 3/4" Dr.	•	•		
AIT **13-947**	Universal Joint, 3/4" Dr.	•	•		

EVERCRAFT™



BK **774-0119** SAE

3/4 IN. DR. 12 PT. STANDARD SOCKETS & SETS

- CR-V steel, high polish chrome for maximum strength
- Triple chrome-plated with an ultra -smooth, high polish and finish for added life
- Meets and exceeds U.S. Federal standards for strength and performance
- Full lifetime guarantee on all components

Item No.	Socket Size	*BK* 774-0119 21 Pc. Set w/ Plastic Case	*BK* 774-0118 14 Pc. Set w/ Plastic Case
BK **774-1828**	7/8"	•	•
BK **774-1830**	15/16"	•	•
BK **774-1832**	1"	•	•
BK **774-1834**	1 1/16"	•	
BK **774-1836**	1 1/8"	•	•
BK **774-1838**	1 3/16"	•	
BK **774-1840**	1 1/4"	•	•
BK **774-1842**	1 5/16"	•	
BK **774-1844**	1 3/8"	•	
BK **774-1846**	1 7/16"	•	•
BK **774-1848**	1 1/2"	•	•
BK **774-1850**	1 9/16"		
BK **774-1852**	1 5/8"	•	•
BK **774-1854**	1 11/16"		
BK **774-1856**	1 3/4"	•	•
BK **774-1858**	1 13/16"	•	
BK **774-1860**	1 7/8"	•	
BK **774-1864**	2"	•	•
BK **774-1866**	2 1/16"		
BK **774-1868**	2 1/8"		
BK **774-1870**	2 3/16"		
BK **774-1872**	2 1/4"		
BK **774-1873**	2 3/8"		
BK **774-1879**	18" Sliding T-Bar	•	
BK **774-1876**	4" Extension	•	•
BK **774-1877**	8" Extension	•	
BK **774-1878**	16" Extension		•
BK **774-1875**	20" Long-Handle Ratchet	•	•

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA



AIT **15-800** SAE

1 IN. DR. 12 PT. STANDARD SOCKETS & SETS

- All tools are made in the USA — quality and availability
- Extra heavy-duty gauge metal box with full hinge is specifically designed for large drive size socket sets
- Ratchet has compact head design, recessed reversing lever, unique "I-Beam" handle design, as well as the "Torque Wrap" design incorporating a 15° ratcheting arc
- Socket wall dimensions are optimized to provide strength while retaining access to restricted fasteners
- All tools are manufactured from high alloy steel using the most up-to-date manufactured process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.1-2002, B107.10M and US Federal spec. GGG-W-641E

Item No	Socket Size	*AIT* 15-800 29 Pc. Set w/Case
AIT **14-134**	1 1/16"	•
AIT **14-136**	1 1/8"	•
AIT **14-140**	1 1/4"	•
AIT **14-142**	1 5/16"	•
AIT **14-144**	1 3/8"	•
AIT **14-146**	1 7/16"	•
AIT **14-148**	1 1/2"	•
AIT **14-152**	1 5/8"	•
AIT **14-158**	1 13/16"	•
AIT **14-160**	1 7/8"	•
AIT **14-164**	2"	•
AIT **14-168**	2 1/8"	•
AIT **14-170**	2 3/16"	•
AIT **14-172**	2 1/4"	•
AIT **14-176**	2 3/8"	•
AIT **14-180**	2 1/2"	•
AIT **14-182**	2 9/16"	•
AIT **14-184**	2 5/8"	•
AIT **14-188**	2 3/4"	•
AIT **14-194**	2 15/16"	•
AIT **14-196**	3"	•
AIT **14-200**	3 1/8"	•
AIT **14-212**	3 1/2"	•
AIT **14-906**	Ratchet, 1" Dr., 30"	•
AIT **14-918**	Breaker Bar, 1" Dr., 27"	•
AIT **14-924**	Extension, 1" Dr., 9"	•
AIT **14-926**	Extension, 1" Dr., 18"	•
AIT **14-939**	Sliding Handle, 1" Dr.	•
AIT **14-940**	Adapter for *AIT* **14-939**	•

CARLYLE NAPA

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

www.carlyletools.com/products/ratchets

POWER 90™ SERIES

As engine compartment spaces have become more confined, the need for higher tooth count ratchets has become essential to the technician. The Carlyle Power 90™ (P90) series of ratchets features a 90-tooth count. The design provides an incredibly precise turning radius for work in tight places. If you can move the handle, you can move the fastener.



POWER 100™ SERIES

If more is better, then the Carlyle Power 100™ (P100) is right up your alley. As the name indicates, P100 ratchets provide even more precision with a 100-tooth count. All P100 ratchets feature a round swivel head with push button quick release function.



Teardrop Head

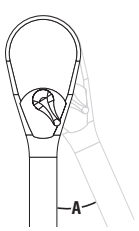
The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.

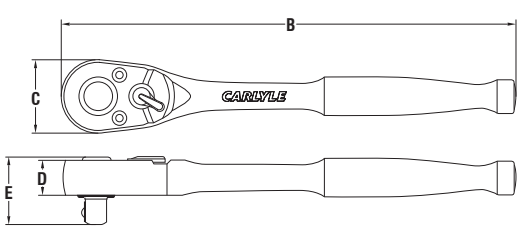


Round Head

Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.









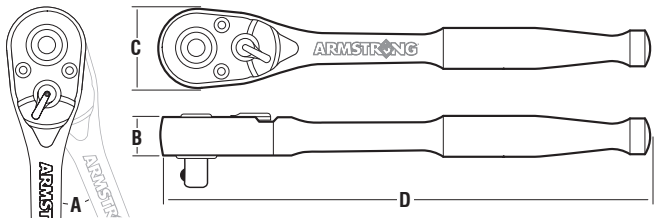
Comfort Grip



1/4 IN. DR. RATCHETS

	Item No	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	*CHT* **R1490**	Comfort Grip	90	4°	Teardrop	5.39"	0.87"	0.39"	0.72"	*CHT* **RK14**
	*CHT* **R14L90**		90	4°	Long Handle Teardrop	6.91"	0.87"	0.39"	0.72"	*CHT* **RK14**
	*CHT* **R14S100**		100	3.6°	Swivel Head	6.79"	1.26"	0.43"	1.26"	*CHT* **RK14S**
	*CHT* **R14LFQR**		72	5°	Teardrop Locking Flex	8.25"	0.80"	0.39"	0.72"	*CHT* **RK14FL**
	*CHT* **R14NLF**		72	5°	Teardrop Flex Non-Locking	8.25"	0.80"	0.37"	0.79	*CHT* **RK14FL**
	*CHT* **R14TD**	Polished	60	6°	Teardrop	5.14"	0.83"	0.39"	0.73"	*CHT* **RK14TD**
	*CHT* **R14QR**		60	6°	Quick Release Teardrop	5.14"	0.83"	0.39"	0.77"	*CHT* **RK14QR**
	*CHT* **R14R**		52	6.9°	Round Head with Quick Release	5.14"	0.98"	0.49"	1.04"	*CHT* **RK14R**
	CHT **R14LFS**		72	5°	Teardrop Locking Flex - Stubby	3.54"	0.82"	0.37"	0.78"	*CHT* **RK14FL**
	*CHT* **R14NLFS**		72	5°	Teardrop Flex Non-Locking - Stubby	3.54"	0.82"	0.37"	0.78"	*CHT* **RK14FL**
—	*CHT* **899-2345**	3 Pc. Tear Drop Ratchet Set. Contains: (1) 1/4" *CHT* **R14TD**, (1) 3/8" *CHT* **R38TD** and (1) 1/2" *CHT* **R12TD**								

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.





1/4 IN. DR. RATCHETS

- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or Exceeds ASME B107.10M and US Federal Spec. GGG-W-641E
- Made in the USA - quality and availability

	Item No	Handle Type	Ratchet Head Style	Tooth Count	A Swivel Arc	B Head Thickness	C Head Width	D Overall Length	Weight	Repair Kits Item No.
	AIT **10-972**	Hourglass	Teardrop Head	36	10°	0.969"	0.875"	5.281"	0.27 lb	*AIT* **10-990**
	AIT **10-992**	Hourglass	Teardrop Head	88	4°	0.362"	0.950"	5.475"	0.23 lb	*AIT* **10-982**
	AIT **10-994**	Locking Flex Hourglass	Teardrop Head	88	4.1°	0.362"	0.875"	6.250"	0.33 lb	*AIT* **10-982**
	AIT **10-967A**	Knurled	Teardrop	36	10°	0.460"	1.000"	5.500"	0.28 lb	—
	AIT **10-968A**	Knurled	Teardrop	36	10°	0.460"	1.000"	5.500"	0.29 lb	—
	AIT **10-915**	Hourglass	Round	35	10°	0.720"	1.000"	5.100"	3.40 lb	*AIT* **10-963**
	AIT **10-996**	Indexible Hourglass	Round	72	5°	0.688"	0.750"	6.000"	0.23 lb	*AIT* **10-983**

GEARWRENCH



1/4 IN. DR. XL LOCKING FLEX PASS-THRU RATCHETS

- One-touch release with 11 locking positions.
- Pass-Thru ratchets eliminate the need for deep sockets.

APX **891400**

CARLYLE



1/4 IN. DR. FLEXIBLE DRIVER HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FHD14**

EVERCRAFT



BK **774-1276**



BK **774-1275**

1/4 IN. DR. RATCHETS

CR-V steel, high polish chrome. Lifetime warranty. Length: 5".

BK **774-1276** Deluxe
BK **774-1275** Standard

CARLYLE



1/4 IN. DR. SPINNER HANDLE

Screwdriver handle has a female 1/4" drive shank for use with extensions. Length: 6", Weight: 3 oz.

CHT **DH14**

CARLYLE

SPINNING T-HANDLES

Adjustable anodized sleeve with ball bearings to allow free spinning for constant pressure while turning the T-handle. Faster than ordinary speed wrenches—finishes jobs in a fraction of the time. Adjustable handle locks in position. Made of CR-V steel, high polish chrome.

Item No.	Description	*CHT* SDSTH2 2 Pc. Set
CHT **SDTH14**	1/4" Dr. Spinning T-Handle	•
CHT **SDTH38**	3/8" Dr. Spinning T-Handle	•



EVERCRAFT



1/4 IN. DR. SOCKET SCREWDRIVER HANDLE

CR-V steel, high polish chrome alloy steel. Lifetime warranty.

BK **774-1277**

CARLYLE



1/4 IN. DR. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH14**

CARLYLE



1/4 IN. DR. SPEED HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH14**

CARLYLE

1/4 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT1402**	2"
CHT **EXT1403**	3"
CHT **EXT1406**	6"



GEARWRENCH



1/4 IN. DR. 3 IN. PASS-THRU RATCHET HOLLOW EXTENSIONS

APX **221060GR**

EVERCRAFT



1/4 IN. DR. EXTENSIONS

CR-V steel, high polish chrome. Lifetime warranty.

BK **774-1278** 3"
BK **774-1279** 6"

CARLYLE



1/4 IN. DR. LOCKING EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXTL1410** 10"
CHT **EXTL1414** 14"

EVERCRAFT



1/4 IN. DR. WOBBLE EXTENSION BARS & SET

Unique design! Extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces. Chrome-plated, vanadium alloy steel. Lifetime-warranty.

Item No.	Description	*BK* **774-1252 2 Pc. Set**
BK **774-1253**	3"	•
BK **774-1256**	6"	•

CARLYLE



1/4 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV14**

EVERCRAFT



1/4 IN. DR. UNIVERSAL JOINT ADAPTER

CR-V steel, high polish chrome. Lifetime warranty.

BK **774-1230**

CARLYLE



1/4 IN. DR. ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty. Size: 1/4" F x 3/8" M.

CHT **ADP1438**

EVERCRAFT



1/4 IN. DR. ADAPTER

CR-V steel, high polish chrome finish standard adapter. Size: 1/4" F x 3/8" M.

BK **774-1379**

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CARLYLE by NAPA

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www.carlyletools.com/products/ratchets

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POWER 100 SERIES

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Teardrop Head

The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.



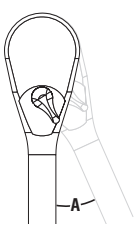
Round Head

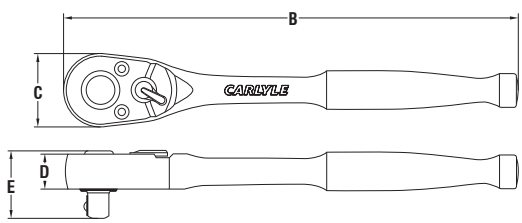
Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.





Comfort Grip



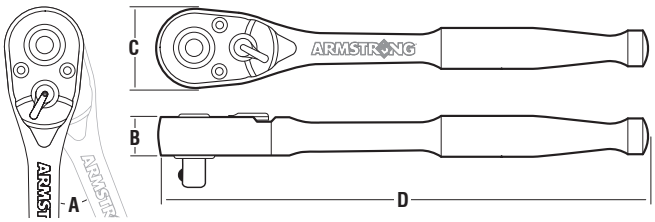




3/8 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	CHT **R3890**	Comfort Grip	90	4°	Teardrop	9.56"	1.18"	0.51"	0.96"	*CHT* **RK38**
	CHT **R38L90**		90	4°	Long Handle	12.44"	1.18"	0.51"	0.96"	*CHT* **RK38**
	CHT **R38S100**		100	3.6°	Swivel	11.78"	1.69"	0.52"	1.31"	*CHT* **RK38S**
	CHT **R38LFQR**		72	5°	Teardrop Flex Locking	9.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38LFLQR**		72	5°	Teardrop Long Flex Locking	13.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38NLFL**		72	5°	Teardrop Flex Non-Locking - Long	13.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38NLF**		72	5°	Teardrop Flex Non-Locking	9.62"	1.06"	0.51"	1.04"	*CHT* **RK38FL**
	CHT **R38R**	Polished	52	6.9°	Round Head with Quick Release	8.35"	1.30"	0.65"	1.38"	*CHT* **RK38R**
	CHT **R38S**		60	6°	Stubby Teardrop	4.92"	1.14"	0.51"	0.98"	*CHT* **RK38TD**
	CHT **R38TD**		60	6°	Teardrop	8.35"	1.14"	0.51"	0.98"	*CHT* **RK38TD**
	CHT **R38QR**		60	6°	Quick Release Teardrop	8.35"	1.14"	0.51"	1.02"	*CHT* **RK38QR**
	CHT **R38F**		60	6°	Flexible Teardrop	11.69"	1.14"	0.51"	0.98"	*CHT* **RK38TD** (ratchet), *CHT* **RK38FN** (flex)
	CHT **R38SP**		48	7.5°	Speed	9.57"	1.18"	0.57"	1.12"	*CHT* **RK38SP** (ratchet), *CHT* **RK38SPN** (neck)
	CHT **R38LFS**		72	5°	Teardrop Flex Locking - Stubby	4.33"	1.10"	0.52"	1.10"	*CHT* **RK38FL**
	CHT **R38NLFS**		72	5°	Teardrop Flex Non-Locking - Stubby	4.33"	1.10"	0.52"	1.10"	*CHT* **RK38FL**
—	*CHT* **899-2345**	3 Pc. Tear Drop Ratchet Set. Contains: (1) 1/4" *CHT* **R14TD**, (1) 3/8" *CHT* **R38TD** and (1) 1/2" *CHT* **R12TD**								

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.





3/8 IN. DR. RATCHETS

- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or Exceeds ASME B107.10M and US Federal Spec. GGG-W-641E
- Made in the USA - quality and availability

	Item No	Handle Type	Ratchet Head Style	Tooth Count	A Swivel Arc	B Head Thickness	C Head Width	D Overall Length	Weight	Repair Kits Item No.
	*AIT* **11-972**	Hourglass	Teardrop	36	10°	0.656"	1.156"	7.375"	0.70 lb	*AIT* **11-990**
	*AIT* **11-973**	Long Hourglass	Teardrop	36	10°	0.656"	1.156"	10.500"	0.96 lb	*AIT* **11-990**
	*AIT* **11-974**	Flex Hourglass	Teardrop	36	10°	0.656"	1.156"	9.500"	0.89 lb	*AIT* **11-991**
	*AIT* **11-992**	Hourglass	Teardrop	88	4°	0.477"	1.230"	7.800"	0.71 lb	*AIT* **11-982**
	*AIT* **11-994**	Locking Flex Hourglass	Teardrop	88	4.1°	0.477"	1.188"	11.625"	1.08 lb	*AIT* **11-982**
	*AIT* **11-972A**	Knurled	Teardrop	36	10°	0.550"	1.200"	7.625"	0.70 lb	—
	*AIT* **11-967A**	Knurled	Teardrop	36	10°	0.550"	1.200"	7.625"	0.70 lb	—
	*AIT* **11-974A**	Knurled	Teardrop	36	10°	0.550"	1.200"	11.375"	0.95 lb	—
	*AIT* **11-915**	Hourglass	Round	41	9°	0.780"	1.270"	7.480"	0.67 lb	*AIT* **11-963**
	*AIT* **11-996**	Indexible Hourglass	Round	72	5°	1.000"	1.188"	10.000"	1.75 lb	*AIT* **11-983**

GEARWRENCH



3/8 IN. DR. XL LOCKING FLEX PASS-THRU RATCHETS

- One-touch release with 11 locking positions.
- Pass-Thru ratchets eliminate the need for deep sockets.

APX **893800**

GEARWRENCH



3/8 IN. DR. PASS-THRU RATCHET HANDLE

APX **235080GR**

EVERCRAFT



3/8 IN. DR. DELUXE RATCHET

CR-V steel, high polish chrome with quick-socket release. Lifetime warranty. Length: 8".

BK **774-1481**

EVERCRAFT



3/8 IN. DR. STANDARD RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 8".

BK **774-1480**

EVERCRAFT



3/8 IN. DR. FLEX-HEAD RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 10 3/4".

BK **774-1482**

EVERCRAFT



3/8 IN. DR. FLEX-HEAD STUBBY RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 5 1/2".

BK **774-1487**



EVERCRAFT

3/8 IN. DR. STANDARD STUBBY RATCHET

CR-V steel, high polish chrome. Lifetime warranty. Length: 4½".

BK **774-1484**

CARLYLE



SPINNING T-HANDLES

Adjustable anodized sleeve with ball bearings to allow free spinning for constant pressure while turning the T-handle. Faster than ordinary speed wrenches—finishes jobs in a fraction of the time. Adjustable handle locks in position. Made of CR-V steel, high polish chrome.

Item No.	Description	*CHT* SDSTH2 2 Pc. Set
CHT **SDTH14**	¼" Dr. Spinning T-Handle	•
CHT **SDTH38**	⅜" Dr. Spinning T-Handle	•

CARLYLE



CHT **IBB3875**

3/8 IN. DR. INDEXING BREAKER BAR WITH COMFORT GRIP

Comfort grip handle for less user fatigue. Full chrome polish for corrosion resistance. CR-V material for strength and durability. 180° Flex design for improved leverage.

Item No.	Description
CHT **IBB3875**	7½"
CHT **IBB3815**	15¼"
CHT **IBB3811**	11¼"

CARLYLE



3/8 IN. DR. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH38**

CARLYLE



3/8 IN. DR. SPEED HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH38**

EVERCRAFT



3/8 IN. DR. 16 IN. SPEED HANDLE

CR-V steel, high polish chrome. Designed for quick running down of nuts and bolts. Excellent for use in hard-to-reach areas. Lifetime warranty.

BK **774-1485**

CARLYLE



CHT **EXT3802**



CHT **EXT3806**

3/8 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT3802**	1½"
CHT **EXT3803**	3"
CHT **EXT3806**	6"
CHT **EXT3810**	10"
CHT **EXT3820**	20"

GEARWRENCH



3/8 IN. DR. 3 IN. PASS-THRU RATCHET HOLLOW EXTENSION

APX **231060GR**

EVERCRAFT



BK **774-1486**



BK **774-1476**

3/8 IN. DR. EXTENSIONS

CR-V steel, high polish chrome. Lifetime warranty.

Item No.	Description
BK **774-1486**	1¾"
BK **774-1475**	3"
BK **774-1476**	6"
BK **774-1490**	10"
BK **774-1498**	18"

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WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE NAPA



3/8 IN. DR. LOCKING EXTENSIONS
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXTL3812** 12"
CHT **EXTL3820** 20"

ARMSTRONG INDUSTRIAL HAND TOOLS
SAE
MADE IN USA
LIFETIME WARRANTY



3/8 IN. DR. LOCKING EXTENSIONS & SET

Item No.	Size	*AIT* 11-920 4 Pc. Set
AIT **11-934**	3"	•
AIT **11-936**	6"	•
AIT **11-937**	8"	•
AIT **11-939**	12"	•

CARLYLE NAPA



CHT **EXTW3802**



CHT **EXTW3806**

3/8 IN. DR. WOBBLE EXTENSIONS
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXTW3802**	1 1/2"
CHT **EXTW3803**	3"
CHT **EXTW3806**	6"
CHT **EXTW3812**	12"

EVERCRAFT



3/8 IN. DR. WOBBLE EXTENSIONS & SET
Unique design! Extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces. Chrome-plated, vanadium alloy steel. Lifetime-warranty.

Item No.	Description	*BK* 774-1462 2 Pc. Set
BK **774-1460**	3" L.	•
BK **774-1461**	6" L.	•



CARLYLE NAPA

3/8 IN. DR. UNIVERSAL JOINT
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty..

CHT **UNIV38**



EVERCRAFT

3/8 IN. DR. UNIVERSAL JOINT ADAPTER
CR-V steel, high polish chrome. Lifetime warranty.

BK **774-1431**

CARLYLE NAPA



CHT **ADP3814**



CHT **ADP3812**

3/8 IN. DR. SOCKET ACCESSORIES
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **ADP3814** Reducer, 3/8" M to 1/4" F
CHT **ADP3812** Adapter, 3/8" F to 1/2" M

EVERCRAFT



BK **774-1479**



BK **774-1467**

3/8 IN. DR. SOCKET ACCESSORIES
CR-V steel, high polish chrome. Chrome-plated. Lifetime warranty.

BK **774-1479** 3/8" F x 1/4" M Reducer
BK **774-1467** 3/8" F x 1/2" M Adapter



CARLYLE NAPA

3/8 IN. DR. DRAG-LINK SOCKET
Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SDL3822**

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CARLYLE by NAPA

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www.carlyletools.com/products/ratchets

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Teardrop Head

The standard Teardrop ratchet is anything but standard. Being rated at more than 130% of the ANSI/ASME standard, this tool will be your trusted friend. It features an ultra-slim head for access in confined spaces. Additional variations of the standard teardrop include stubby, quick release, flexible, and speed versions.



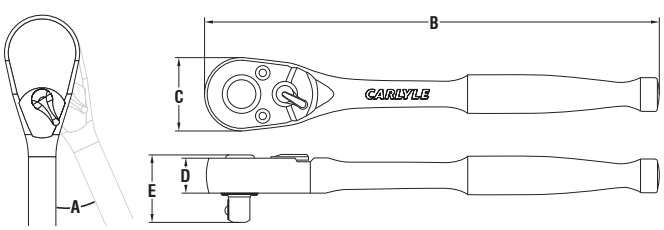
Round Head

Our Round Head design not only offers the convenience of a push button quick release, it incorporates a new flip lever mechanism for easy and quick one-hand adjustment of the forward and reverse mechanism.





Comfort Grip

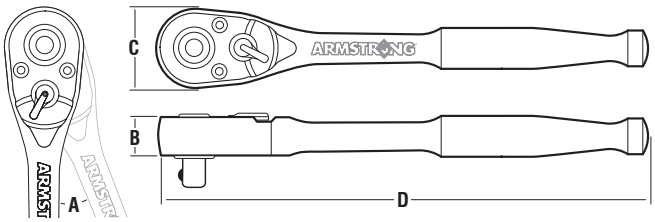


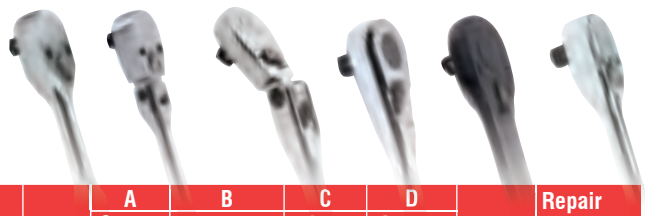


1/2 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kits Item No.
	CHT **R1290**	Comfort Grip	90	4°	Teardrop	12.03"	1.48"	0.67"	1.26"	*CHT* **RK12**
	CHT **R12L90**		90	4°	Long Teardrop	16.62"	1.48"	0.67"	1.26"	*CHT* **RK12**
	CHT **R12S100**		100	3.6°	Swivel	12.28"	1.77"	0.63"	1.75"	*CHT* **RK12S**
	CHT **R12LFQR**		72	5°	Teardrop Flex Locking - Long	17.69"	1.24"	0.61"	1.34"	*CHT* **RK12FL**
	CHT **R12NLF**		72	5°	Teardrop Flex Non-Locking - Long	17.69"	1.24"	0.61"	1.34"	*CHT* **RK12FL**
	CHT **R12R**	Polished	52	6.9°	Round Head with Quick Release	9.84"	1.52"	0.77"	1.73"	*CHT* **RK12R**
	CHT **R12TD**		48	7.5°	Teardrop	9.84"	1.48"	0.69"	1.34"	*CHT* **RK12TD**
	CHT **R12QR**		48	7.5°	Quick Release Teardrop	9.84"	1.48"	0.69"	1.46"	*CHT* **RK12QR**
	CHT **R12LQR**		48	7.5°	Long Quick Release Teardrop	14.96"	1.48"	0.69"	1.46"	*CHT* **RK12QR**
	CHT **R12FQR**		48	7.5°	Flexible Quick Release Teardrop	17.68"	1.52"	0.71"	1.46"	*CHT* **RK12FQR** (ratchet), *CHT* **RK12FQRN** (neck)
—	*CHT* **899-2345**	3 Pc. Tear Drop Ratchet Set. Contains: (1) 1/4" *CHT* **R14TD**, (1) 3/8" *CHT* **R38TD** and (1) 1/2" *CHT* **R12TD**								

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.





1/2 IN. DR. RATCHETS

- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or Exceeds ASME B107.10M and US Federal Spec. GGG-W-641E
- Made in the USA - quality and availability

	Item No	Handle Type	Ratchet Head Style	Tooth Count	A Swivel Arc	B Head Thickness	C Head Width	D Overall Length	Weight	Repair Kits Item No.
	AIT **12-972**	Hourglass	Teardrop	36	10°	0.875"	1.625"	10.500"	1.46 lb	*AIT* **12-990**
	AIT **12-973**	Long Hourglass	Teardrop	36	10°	0.875"	1.625"	15.000"	2.21 lb	*AIT* **12-990**
	AIT **12-974**	Flex Hourglass	Teardrop	36	10°	0.875"	1.625"	14.250"	2.02 lb	*AIT* **12-991**
	AIT **12-992**	Standard Hourglass	Teardrop	88	4.1	0.750"	1.625"	10.188"	1.60 lb	*AIT* **12-982**
	AIT **12-994**	Locking Flex Hourglass	Teardrop	88	4.1	0.750"	1.625"	18.500"	1.75 lb	*AIT* **12-982**
	AIT **12-975A**	Knurled	Teardrop	36	10°	0.780"	1.800"	10.300"	1.31 lb	—
	AIT **12-967A**	Knurled	Teardrop	36	10°	0.780"	1.800"	10.300"	1.50 lb	—
	AIT **12-974A**	Knurled	Teardrop	36	10°	0.780"	1.800"	10.300"	2.25 lb	—
	AIT **12-915**	Hourglass	Round	45	8°	1.300"	1.750"	10.480"	1.70 lb	*AIT* **12-963**
	AIT **12-907**	Tapered	Teardrop	24	15°	0.875"	1.625"	14.000"	1.63 lb	*AIT* **20-966**
	AIT **11-978**	Comfort	Teardrop	36	10°	0.656"	0.656"	8.375"	0.71 lb	*AIT* **11-990**
	AIT **11-979**	Long Comfort	Teardrop	36	10°	0.656"	0.656"	11.500"	0.96 lb	*AIT* **11-990**

GEARWRENCH



1/2 IN. DR. XL LOCKING FLEX PASS-THRU RATCHETS

- One-touch release with 11 locking positions.
- Pass-Thru ratchets eliminate the need for deep sockets.

APX **891200**

EVERCRAFT



1/2 IN. DR. STANDARD RATCHET

CR-V steel, high polish chrome for added strength and durability.
Length: 10".

BK **774-1676**

EVERCRAFT



1/2 IN. DR. DELUXE RATCHET

CR-V steel, high polish chrome for added strength and durability.
Length: 10".

BK **774-1680**

EVERCRAFT



1/2 IN. DR. FLEX HANDLE

CR-V steel, high polish chrome for added strength and durability.
Length: 17".

BK **774-1678**

CARLYLE NAPA

1/2 IN. DR. BREAKER BARS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH1218** 18"
CHT **FH1215** 15"





CHT **IBB1211**

1/2 IN. DR. INDEXING BREAKER BAR WITH COMFORT GRIP

Comfort grip handle for less user fatigue. Full chrome polish for corrosion resistance. CR-V material for strength and durability. 180° Flex design for improved leverage.

Item No.	Description
CHT **IBB1211**	11"
CHT **IBB1215**	15"
CHT **IBB1223**	23"



1/2 IN. DR. SPEED HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SH12**



1/2 IN. DR. SPEED HANDLE

Triple chrome-plated handle designed for quick running down of nuts and bolts. Excellent for use in hard-to-reach areas. Length: 16".

BK **774-1880**



1/2 IN. DR. SLIDING T-BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **STB12** T-Bar With Socket
CHT **STBA12** Sliding T- Adapter Socket



1/2 IN. DR. SLIDING T-BAR & SOCKET ADAPTER

CR-V steel, high polish chrome for added strength and durability.

BK **774-1671** Sliding T-Bar
BK **774-1470** Socket Adapter Only

1/2 IN. DR. EXTENSIONS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT1202**	2"
CHT **EXT1203**	3"
CHT **EXT1206**	6"
CHT **EXT1210**	10"
CHT **EXT1220**	20"



1/2 IN. DR. EXTENSIONS

CR-V steel, high polish chrome for added strength and durability.

Item No.	Description
BK **774-1675**	5"
BK **774-1670**	10"
BK **774-1668**	20"



1/2 IN. DR. 1-1/2 IN. WOBBLE EXTENSION

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXTW1202**





1/2 IN. DR. WOBBLE EXTENSIONS & SET

Unique design! Triple chrome-plated extension bars are off-center from socket at drive end, allowing the tightening of the fastener in confined spaces.

Item No.	Description	*BK* **774-1692 2 Pc. Set**
BK **774-1690**	5"	•
BK **774-1691**	10"	•

1/2 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV12**



1/2 IN. DR. UNIVERSAL JOINT SOCKET ADAPTER

CR-V steel, high polish chrome for added strength and durability.

BK **774-1682**



1/2 IN. DR. ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.
Size: 1/2" F to 3/4" M

CHT **ADP1234**



1/2 IN. DR. ADAPTER

CR-V steel, high polish chrome finish standard adapter.
Size: 1/2" F x 3/4" M.

BK **774-1699**



1/2 IN. DR. REDUCER SOCKET

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty. Size: 1/2" F to 3/8" M

CHT **ADP1238**



1/2 IN. DR. DRAG LINK SOCKETS

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **SDL1224** 3/4"
CHT **SDL1230** 15/16"

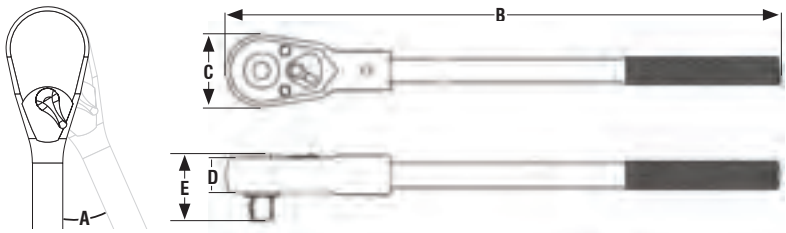


WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE® RATCHETS

Carlyle tools have been meticulously designed from the ground up with constant input and feedback from professional technicians. Uncompromising attention to detail makes the Carlyle Ratchet Program second to none. Materials, design, features, manufacturing processes and attention to detail are evident in every Carlyle ratchet when you pick it up. Extensive feedback from the customer is the most important factor in our design process.

www.carlyletools.com/products/ratchets





3/4 IN. DR. RATCHETS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kit Item No.
	*CHT* **R34**	Knurled	40	9°	Quick Release	20.00"	2.56"	2.02"	2.42"	*CHT* **RK34**
	*CHT* **HAN3436**	36 In. Handle/Extension								

EVERCRAFT



3/4 IN. DR. LONG-HANDLE RATCHET

CR-V steel, high polish chrome. Length: 20".

BK **774-1875**



CARLYLE

3/4 IN. DR. SLIDING T-HANDLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **STH34**

EVERCRAFT



3/4 IN. DR. SLIDING T-BAR SOCKET EXTENSION

CR-V steel, high polish chrome. Length: 18".

BK **774-1879**

CARLYLE



3/4 IN. DR. 19 IN. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH3419**

3/4 IN. DR. EXTENSIONS

CARLYLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **EXT3405**	5"
CHT **EXT3408**	8"
CHT **EXT3416**	16"



3/4 IN. DR. SOCKET EXTENSIONS

EVERCRAFT

CR-V steel, high polish chrome.

Item No.	Description
BK **774-1876**	4"
BK **774-1877**	8"
BK **774-1878**	16"



CARLYLE

3/4 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty

CHT **UNIV34**



CARLYLE

3/4 IN. DR. SOCKET ACCESSORIES

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **ADP3401** Adapter, Size: 3/4" F x 1" M.
CHT **ADP3412** Reducer, Size: 3/4" F x 1/2" M.



CHT **ADP3401**



CHT **ADP3412**

EVERCRAFT

3/4 IN. DR. ADAPTER

CR-V steel, high polish chrome finish standard adapter. Size: 3/4" F x 1/2" M.

BK **774-1899**



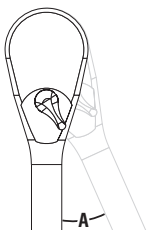
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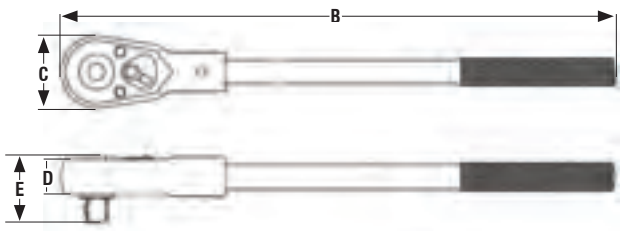
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www.carlyletools.com/products/ratchets

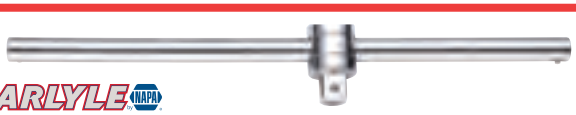






1 IN. DR. RATCHET SPECIFICATIONS

	Item No.	Handle	Tooth Count	A Swivel Arc	Additional	B Length	C Head Width	D Head Depth	E Total Head Depth	Repair Kit Item No.
	*CHT* **R01**	Knurled	36	10°	Quick Release	30.12"	3.11"	2.20"	2.80"	*CHT* **RK01**
	*CHT* **HAN0136**	36 In. Handle/Extension								



CARLYLE

1 IN. DR. SLIDING T-BAR ASSEMBLY

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **STB01**

CARLYLE

1 IN. DR. ADAPTER

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **ADP0134**



CARLYLE



1 IN. DR. 26 IN. BREAKER BAR

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **FH0126** Flex Handle
CHT **FHRK01** Flex Handle Repair Kit

1 IN. DR. EXTENSIONS

CARLYLE

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **EXT0108** 8"
CHT **EXT0116** 16"



CARLYLE

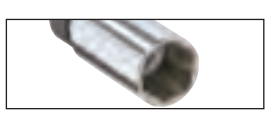
1 IN. DR. UNIVERSAL JOINT

Features mirror polish chrome-plated finish for rust resistance and lifetime warranty.

CHT **UNIV01**







Magnetized sockets to hold spark plugs securely.



Long reach universal joints and NEW 9/16" for 2004 and newer Ford Triton V-8 engines.

MAGNETIC SPARK PLUG SOCKETS & SET

Long reach "magnetic" swivel spark plug set. Covers sizes 5/8", 13/16", and the new 9/16" on Ford Triton Engines.

Item No.	Description	*SER* 41730 3 Pc. Set
SER **3928**	6" length 3/8" Dr. 5/8" Magnetic Swivel Spark Plug Socket	•
SER **3930**	6" length 3/8" Dr. 13/16" Magnetic Swivel Spark Plug Socket	•
SER **3931**	3/8" Dr. 9/16" Magnetic Spark Plug Socket	•

WARNING: Always wear protective eyewear when using hand tools and accessories.
WARNING: Chrome sockets are designed for HAND USE only. DO NOT use with power tools.

CARLYLE

3/8 IN. DR. SPARK PLUG SOCKETS

Sockets feature mirror polish chrome-plated finish for rust resistance and lifetime warranty.

Item No.	Description
CHT **SSP3818**	9/16"
CHT **SSP3820**	5/8"
CHT **SSP3824**	3/4"
CHT **SSP3826**	13/16"
CHT **SSP3828**	7/8"
CHT **SSP3818M**	18mm
CHT **SUSP3820**	5/8" Universal Joint
CHT **SUSP3826**	13/16" Universal Joint



CHT **SSP3820**



CHT **SUSP3820**

EVERCRAFT

3/8 IN. DR. UNIVERSAL SWIVEL SPARK PLUG SOCKETS & SET

Standard swivel spark plug sockets feature chrome vanadium finish and six socket points. Ideal for use on hard to access spark plugs.

Item No.	Size	*BK* **774-0113** 4 Pc. Set
BK **774-5866**	9/16"	•
BK **774-5877**	13/16"	•
BK **774-5878**	5/8"	•
BK **774-5879**	3/4"	



EVERCRAFT

3/8 IN. DR. SPARK PLUG SOCKETS

CR-V steel, high polish chrome with cushion-grip insert. Lifetime warranty.

BK **774-1466** 9/16", 6 Pt.
BK **774-1478** 5/8", 6 Pt.
BK **774-1477** 13/16", 12 Pt.



EVERCRAFT

3/8 IN. DR. EXTENDED SPARK PLUG SOCKET



This 3/8-inch drive socket removes or installs 5/8-inch, center-located spark plugs. Black oxide finish. Length: 4 1/2".

BK **776-9052**

CARLYLE

1/2 IN. DR. SPARK PLUG SOCKETS

Triple plated for long life. Lifetime warranty.

CHT **SSP1220** 5/8"
CHT **SSP1226** 13/16"



EVERCRAFT

1/2 IN. DR. SPARK PLUG SOCKETS

Chrome-plated, vanadium alloy steel. Lifetime warranty.

BK **774-1677** 5/8"
BK **774-1679** 13/16"





Provides coverage for lower profile Chrysler '02 sensors.



MASTER SENSOR SOCKETS & SET

Designed for the removal and installation of oxygen sensors, oil pressure sending units, and vacuum switches.

Item No.	Description	*SER* **41720** 8 Pc. Set
SER **3919**	13/16" (29mm) 1/2" Drive Oil Sender Socket: Fits 13/16" oil pressure sending units found on late-80's and mid-90's GM vehicles. (90mm Long)	•
SER **3920**	7/8" (22mm) Slotted 3/8" Drive PVS, TVS and O2 Socket: Removes and installs vacuum switches with a 7/8" hex. Also fits some oxygen sensors (90mm Long)	•
SER **3921**	11/16" (27mm) 1/2" Drive GM Thermal Sensor Switch Socket: Remove and install 1977-73 GM thermal sensor switch. Also fits some oil pressure sending units. (85mm Long)	•
SER **3922**	7/8" (22mm) Oxygen Sensor Socket: Removes and installs oxygen sensors in most domestic and some imported vehicles. Slotted socket allows for wire clearance. (80mm Long)	•
SER **3923**	11/16" Oil Pressure Sending Unit Socket 3/8" Drive: Deep well allows for up to 2 5/8" Clearance (74mm Long)	•
SER **3924**	7/8" (22mm) Oxygen Sensor Socket: Offset end has double Hex 1/2" drive for access (50mm Long)	•
SER **3925**	7/8" (22mm) Low Profile Offset Oxygen Sensor Socket: Removes and installs oxygen sensors in most domestic and some imported vehicles. (30mm Long)	•
SER **3926**	1 1/8" Short Access Socket 3/8" Drive: For access to some Chrysler vehicles (54mm Long)	•

OIL PRESSURE & STOP LIGHT SWITCH SOCKET



Removes oil pressure sending unit on most engines. Socket has a 1" and 11/16" hex opening plus recess to accommodate switch. Socket also fits some brake-light switches. Turn with a 15/16" wrench, or a 3/8" square drive tool. Length: 3".
CAUTION: For intended use only. Do not use with engine running. Do not use with power tools.
SER **2569**

EVERCRAFT 3/8 IN. DR. OFFSET OXYGEN SENSOR WRENCH



For removal and installation of 7/8" sensors on computerized engine control vehicles. Offset design ideal for confined areas. Not for impact use.
BK **776-9192**

EVERCRAFT GM OIL PRESSURE & STOP LIGHT SWITCH SOCKET



CR-V steel, high polish chrome socket removes GM 2.0, 2.5, 2.8, and 3.0 liter engine oil pressure sending units with 13/16" hex. Can be used with 1/2" drive ratchets or 7/8" wrenches.
BK **776-9046**

DUAL-DRIVE OXYGEN SENSOR WRENCH



Includes 1/2" and 1/2" drive and fits oxygen sensors with a heat shield. Attaching a 1/2" breaker bar on end of tool will initially loosen stuck sensors. Use a 3/8" ratchet on the top for fast removal and installation. Forged, heat-treated steel, six-point design withstands high-torque removal applications, and slotted body allows clearance for wire harnesses.
SER **77-4022**

EVERCRAFT UNIVERSAL OIL PRESSURE & STOP LIGHT SWITCH SOCKET



Chrome vanadium, 3/8" socket removes oil pressure sending unit on most engines and also fits some brake light switches. Has 11/16" opening and recess to accommodate switch. Can be turned with a 3/4" wrench.
BK **776-9048**

OTC 3/8 IN. DR. GM DIESEL INJECTOR SOCKET



For use on GM 6.2- and 6.5-liter engines, this 30mm socket ensures a proper fit during nozzle removal or installation. The 3/8" square drive and 7/8" hex permit easy access in tight areas, and prevent damage to nozzle and other components.
BK **700-2470**

UNIVERSAL VACUUM PVS/TVS VALVE & OXYGEN SENSOR SOCKET



Specially designed socket is for removal and replacement of vacuum switches with a 7/8" hex currently found on Ford, GM, Chrysler and some import vehicles. Also used to remove and replace some oxygen sensors. Use with a 1/2" square drive tool or 7/8" wrench. Socket depth: 3 1/8".
CAUTION: Do not use with engine running. Do not use with power tools. For intended use only.
SER **3259**

OIL PRESSURE SENDING UNIT SOCKET



Use to remove and replace oil pressure sending units on 1987 through current GM engines with dash gauges including 2.0, 2.3, 2.5, 2.8 and 3.0 L used in Chevy, Buick, Olds, Pontiac and Cadillac cars. Hex opening is 13/16". Turn with 1/2" square drive tools or 15/16" wrench. Length: 3 1/4".
CAUTION: For intended use only. Do not use with engine running. Do not use with power tools.
SER **3272**

EVERCRAFT UNIVERSAL VACUUM PVS/TVS VALVE & OXYGEN SENSOR SOCKET



This specially designed, chrome vanadium socket is for the removal and replacement of vacuum switches with a 7/8" hex. Can also be used to remove some oxygen sensors. For use with 3/8" drive tools or one-inch wrenches.
BK **776-9047**

OIL PRESSURE SENDING UNIT SOCKET



Use to remove and install oil pressure switches that require a socket with a 11/16" hex and that are 2 3/4" deep. Tool can be used with a 3/8" square drive tool or 15/16" wrench. Overall length is 3 1/4".
CAUTION: For intended use only. Do not use with engine running. Do not use with power tools.
SER **3458**

EVERCRAFT

CHRYSLER/GM OIL PRESSURE SENDING UNIT SWITCH SOCKET



Chrome vanadium socket removes 2 3/4" deep oil pressure switches requiring a 11/16" hex. A required tool on late model Chrysler and GM vehicles. Can be used with 3/8" or 1 1/8" drive wrenches. Length: 3 1/4".

BK **776-9049**





Combines both Metric and SAE in one set.

8 PC. METRIC & SAE STUD REMOVAL KIT

Complete SAE and Metric stud remover set offers the best professional extractors available. Designed and tested to reach studs in difficult work areas.

SER **41760**

Contents

Item No.	Size	Drive Size
SER **41761**	6mm	3/8"
SER **41762**	8mm	3/8"
SER **41763**	10mm	1/2"
SER **41764**	12mm	1/2"
SER **41765**	3/8"	1/2"
SER **41766**	7/16"	1/2"
SER **41767**	5/16"	3/8"
SER **41768**	1/4"	3/8"

EVERCRAFT

4 PC. SAE STUD PULLER SET



Quickly and easily removes right or left threaded studs with no damage to threads. Turn with 3/8" or 1/2" dr. tool or 13/16" wrench. For hand use only. CR-V construction.

BK **776-9184**

Contents

Dr. Size	Description
3/8"	1/4"
3/8"	5/16"
1/2"	3/8"
1/2"	7/16"

EVERCRAFT

4 PC. METRIC STUD PULLER SET



Quickly and easily removes right or left threaded studs with no damage to threads. Turn with 3/8" or 1/2" dr. tool or 13/16" wrench. For hand use only. CR-V construction.

BK **776-9185**

Contents

Dr. Size	Description
3/8"	6mm
3/8"	8mm
1/2"	10mm
1/2"	12mm

STUD EXTRACTOR



Removes 1/4" (6mm) to 3/4" (19mm) studs. Cam wheel grips within 9/32" of flat surface to hold stud. Drive socket will not bind. Use 1/2" square drive tools to operate.

SER **1708**

EXHAUST MANIFOLD SOCKETS & SET

- Patented cone shaped socket helps to keep springs in place while working the nut down over the stud.
- Works on exhaust manifolds and other applications where a spring needs to be compressed during installation of a nut.
- Set Includes commonly found on GM engines

Item No.	Description	*SER* **3963 3 Pc. Set**
SER **3964**	12-13mm	•
SER **3965**	14-15mm	•
SER **3966**	18mm	•



SER **3963**



SER **3964**



SER **3965**



SER **3966**

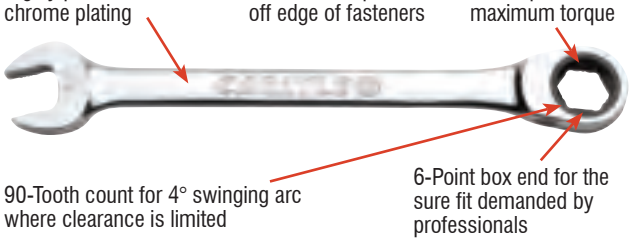
CARLYLE® RATCHETING WRENCHES

Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product. The ratcheting mechanism in the Carlyle ratcheting wrenches can withstand up to 200% of the ANSI specification.

A WHOLE NEW LEVEL

Maximum Strength • Minimum Clearance







CHT **RW010**

SAE MET

6 PT. STANDARD LENGTH RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RW612M 12 Pc. Set	*CHT* RW608 8 Pc. Set
CHT **RW010**	5/16"		•
CHT **RW012**	3/8"		•
CHT **RW014**	7/16"		•
CHT **RW016**	1/2"		•
CHT **RW018**	9/16"		•
CHT **RW020**	5/8"		•
CHT **RW022**	11/16"		•
CHT **RW024**	3/4"		•
CHT **RW026**	13/16"		
CHT **RW028**	7/8"		
CHT **RW030**	15/16"		
CHT **RW032**	1"		
CHT **RW034**	1 1/16"		
CHT **RW036**	1 1/8"		
CHT **RW038**	1 3/16"		
CHT **RW040**	1 1/4"		
CHT **RW008M**	8mm	•	
CHT **RW009M**	9mm	•	
CHT **RW010M**	10mm	•	
CHT **RW011M**	11mm	•	
CHT **RW012M**	12mm	•	
CHT **RW013M**	13mm	•	
CHT **RW014M**	14mm	•	
CHT **RW015M**	15mm	•	
CHT **RW016M**	16mm	•	
CHT **RW017M**	17mm	•	
CHT **RW018M**	18mm	•	
CHT **RW019M**	19mm	•	
CHT **RW021M**	21mm		
CHT **RW022M**	22mm		
CHT **RW024M**	24mm		
CHT **RW027M**	27mm		
CHT **RW029M**	29mm		
CHT **RW030M**	30mm		
CHT **RW031M**	31mm		
CHT **RW032M**	32mm		

CARLYLE NAPA



SAE MET

CHT **RWR010**

6 PT. REVERSIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWR612M 12 Pc. Set	*CHT* RWR608 8 Pc. Set
CHT **RWR010**	5/16"		•
CHT **RWR012**	3/8"		•
CHT **RWR014**	7/16"		•
CHT **RWR016**	1/2"		•
CHT **RWR018**	9/16"		•
CHT **RWR020**	5/8"		•
CHT **RWR022**	11/16"		•
CHT **RWR024**	3/4"		•
CHT **RWR008M**	8mm	•	
CHT **RWR009M**	9mm	•	
CHT **RWR010M**	10mm	•	
CHT **RWR011M**	11mm	•	
CHT **RWR012M**	12mm	•	
CHT **RWR013M**	13mm	•	
CHT **RWR014M**	14mm	•	
CHT **RWR015M**	15mm	•	
CHT **RWR016M**	16mm	•	
CHT **RWR017M**	17mm	•	
CHT **RWR018M**	18mm	•	
CHT **RWR019M**	19mm	•	



CHT **RWFL010**

SAE MET

6 PT. FLEXIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWFL612M 12 Pc. Set	*CHT* RWFL808 8 Pc. Set
CHT **RWFL010**	5/16"		•
CHT **RWFL012**	3/8"		•
CHT **RWFL014**	7/16"		•
CHT **RWFL016**	1/2"		•
CHT **RWFL018**	9/16"		•
CHT **RWFL020**	5/8"		•
CHT **RWFL022**	11/16"		•
CHT **RWFL024**	3/4"		•
CHT **RWFL026**	13/16"		
CHT **RWFL028**	7/8"		
CHT **RWFL030**	15/16"		
CHT **RWFL008M**	8mm	•	
CHT **RWFL009M**	9mm	•	
CHT **RWFL010M**	10mm	•	
CHT **RWFL011M**	11mm	•	
CHT **RWFL012M**	12mm	•	
CHT **RWFL013M**	13mm	•	
CHT **RWFL014M**	14mm	•	
CHT **RWFL015M**	15mm	•	
CHT **RWFL016M**	16mm	•	
CHT **RWFL017M**	17mm	•	
CHT **RWFL018M**	18mm	•	
CHT **RWFL019M**	19mm	•	
CHT **RWFL021M**	21mm		
CHT **RWFL022M**	22mm		
CHT **RWFL024M**	24mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA



CHT **RWS018**

SAE MET

6 PT. STUBBY RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWS608 8 Pc. Set	*CHT* RWS612M 12 Pc. Set
CHT **RWS010**	5/16"	•	
CHT **RWS012**	3/8"	•	
CHT **RWS014**	7/16"	•	
CHT **RWS016**	1/2"	•	
CHT **RWS018**	9/16"	•	
CHT **RWS020**	5/8"	•	
CHT **RWS022**	11/16"	•	
CHT **RWS024**	3/4"	•	
CHT **RWS008M**	8 mm		•
CHT **RWS009M**	9 mm		•
CHT **RWS010M**	10 mm		•
CHT **RWS011M**	11 mm		•
CHT **RWS012M**	12 mm		•
CHT **RWS013M**	13 mm		•
CHT **RWS014M**	14 mm		•
CHT **RWS015M**	15 mm		•
CHT **RWS016M**	16 mm		•
CHT **RWS017M**	17 mm		•
CHT **RWS018M**	18 mm		•
CHT **RWS019M**	19 mm		•



CHT **RWFLS010**

SAE MET

6 PT. STUBBY FLEXIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWFLS608 8 Pc. Set	*CHT* RWFLS612M 12 Pc. Set
CHT **RWFLS010**	5/16"	•	
CHT **RWFLS012**	3/8"	•	
CHT **RWFLS014**	7/16"	•	
CHT **RWFLS016**	1/2"	•	
CHT **RWFLS018**	9/16"	•	
CHT **RWFLS020**	5/8"	•	
CHT **RWFLS022**	11/16"	•	
CHT **RWFLS024**	3/4"	•	
CHT **RWFLS008M**	8mm		•
CHT **RWFLS009M**	9mm		•
CHT **RWFLS010M**	10mm		•
CHT **RWFLS011M**	11mm		•
CHT **RWFLS012M**	12mm		•
CHT **RWFLS013M**	13mm		•
CHT **RWFLS014M**	14mm		•
CHT **RWFLS015M**	15mm		•
CHT **RWFLS016M**	16mm		•
CHT **RWFLS017M**	17mm		•
CHT **RWFLS018M**	18mm		•
CHT **RWFLS019M**	19mm		•



CHT **RWRS010**

SAE MET

6 PT. 15° STUBBY REVERSIBLE RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWRS608 8 Pc. Set	*CHT* RWRS612M 12 Pc. Set
CHT **RWRS010**	5/16"	•	
CHT **RWRS012**	3/8"	•	
CHT **RWRS014**	7/16"	•	
CHT **RWRS016**	1/2"	•	
CHT **RWRS018**	9/16"	•	
CHT **RWRS020**	5/8"	•	
CHT **RWRS022**	11/16"	•	
CHT **RWRS024**	3/4"	•	
CHT **RWRS008M**	8mm		•
CHT **RWRS009M**	9mm		•
CHT **RWRS010M**	10mm		•
CHT **RWRS011M**	11mm		•
CHT **RWRS012M**	12mm		•
CHT **RWRS013M**	13mm		•
CHT **RWRS014M**	14mm		•
CHT **RWRS015M**	15mm		•
CHT **RWRS016M**	16mm		•
CHT **RWRS017M**	17mm		•
CHT **RWRS018M**	18mm		•
CHT **RWRS019M**	19mm		•



CHT **RWLB1112**

SAE MET

6 PT. EXTRA-LONG DOUBLE BOX RATCHETING WRENCHES & SETS

Item No.	Size	*CHT* RWLB5 5 Pc. Set	*CHT* RWLB6M 6 Pc. Set
CHT **RWLB810**	1/4" x 5/16"	•	
CHT **RWLB1112**	11/32" x 3/8"	•	
CHT **RWLB1416**	7/16" x 1/2"	•	
CHT **RWLB1820**	9/16" x 5/8"	•	
CHT **RWLB2224**	11/16" x 3/4"	•	
CHT **RWLB2628**	13/16" x 7/8"		
CHT **RWLB3032**	15/16" x 1"		
CHT **RWLB89M**	8 x 9mm		•
CHT **RWLB1011M**	10 x 11mm		•
CHT **RWLB1213M**	12 x 13mm		•
CHT **RWLB1415M**	14 x 15mm		•
CHT **RWLB1618M**	16 x 18mm		•
CHT **RWLB1719M**	17 x 19mm		•
CHT **RWLB2122M**	21 x 22mm		
CHT **RWLB2427M**	24 x 27mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA



CHT **RWLBFL1820**

12 PT. SPLINE-PLUS EXTRA-LONG DOUBLE BOX FLEXIBLE RATCHETING WRENCHES & SETS

SAE MET

Features a "Spherical" ratchet end and non-slip open end. The 90 tooth count gear allows 4° arc swing. This design provides an incredibly precise turning radius for work in tight spaces. Full polish chrome finish on each wrench resists corrosion while maintaining the look and feel of a new product.

Item No.	Size	*CHT* **RWLBFL4** 4 Pc. Set	*CHT* **RWLBFL5M** 5 Pc. Set
CHT **RWLBFL1012**	5/16" x 3/8"	•	
CHT **RWLBFL1416**	7/16" x 1/2"	•	
CHT **RWLBFL1820**	9/16" x 5/8"	•	
CHT **RWLBFL2224**	11/16" x 3/4"	•	
CHT **RWLBFL810M**	8 x 10mm		•
CHT **RWLBFL1214M**	12 x 14mm		•
CHT **RWLBFL1315M**	13 x 15mm		•
CHT **RWLBFL1618M**	16 x 18mm		•
CHT **RWLBFL1719M**	17 x 19mm		•

6 PT. METRIC OPEN FLEX FLARE NUT COMBINATION RATCHETING LINE WRENCHES

Unique ratcheting mechanism - no need to remove the wrench from the fastener. Fully polished chrome - long lasting and easy to clean. The more pressure exerted, the tighter the fit on the fastener. Full shoulder contact on fastener - more points of contact mean less slippage and stripping of fasteners. Removes tube nut safer and quicker. Strong mechanism exceeds ANSI specifications for combination wrenches.

- 360° Grip removes even a round hex
- Ratchet function works in tight spaces
- More pressure applied equals tighter grip on hex
- Open and close wrench head with one hand

MET



Item No.	Size
CHT **LWFL17M**	17mm
CHT **LWFL19M**	19mm
CHT **LWFL22M**	22mm
CHT **LWFL24M**	24mm
CHT **LWFL27M**	27mm
CHT **LWFL32M**	32mm



CHT **LWFL2224**

6 PT. DOUBLE FLEX FLARE RATCHETING LINE WRENCHES & SETS

SAE MET

Unique ratcheting mechanism - no need to remove the wrench from the fastener. Fully polished chrome - long lasting and easy to clean. The more pressure exerted, the tighter the fit on the fastener. Full shoulder contact on fastener - more points of contact mean less slippage and stripping of fasteners. Removes tube nut safer and quicker. Strong mechanism exceeds ANSI specifications for combination wrenches. 6 Points.

Item No.	Size	*CHT* **LWFL4** 4 Pc. Set w/ Tray	*CHT* **LWFL4M** 4 Pc. Set w/ Tray	*CHT* **LWFL6M** 6 Pc. Set w/ Tray
CHT **LWFL1012**	5/16" x 3/8"	•		
CHT **LWFL1416**	7/16" x 1/2"	•		
CHT **LWFL1820**	9/16" x 5/8"	•		
CHT **LWFL2224**	11/16" x 3/4"	•		
CHT **LWFL0809M**	8mm x 9mm		•	•
CHT **LWFL1011M**	10mm x 11mm		•	•
CHT **LWFL1213M**	12mm x 13mm		•	•
CHT **LWFL1415M**	14mm x 15mm		•	•
CHT **LWFL1617M**	16mm x 17mm			•
CHT **LWFL1819M**	18mm x 19mm			•

WARNING: Always wear protective eyewear when using hand tools and accessories.



SAE *AIT* **28-386**



SAE *AIT* **28-312**

ARMSTRONG 12 PT. FLARE NUT RATCHETING WRENCHES & SETS

- Made in the USA — Quality and Availability
- Designed for use on 6 and 12 point tube fittings, fasteners valves and compression fittings
- High carbon steel jaws snap open, then close around fastener with 6 point contact
- Unique design requires only 30° rotation for ratcheting action
- Prevents distortion for thin -walled fittings
- Allows easy access to tight locations

Item No.	Size	*AIT* 28-386 7 Pc. Set w/Vinyl Roll	*AIT* 55-386 10 Pc. Set w/Vinyl Roll
AIT **28-312**	3/8"	•	
AIT **28-314**	7/16"	•	
AIT **28-316**	1/2"	•	
AIT **28-318**	9/16"	•	
AIT **28-320**	5/8"	•	
AIT **28-322**	11/16"	•	
AIT **28-324**	3/4"	•	
AIT **55-310**	10mm		•
AIT **55-311**	11mm		•
AIT **55-312**	12mm		•
AIT **55-313**	13mm		•
AIT **55-314**	14mm		•
AIT **55-315**	15mm		•
AIT **55-316**	16mm		•
AIT **55-317**	17mm		•
AIT **55-318**	18mm		•
AIT **55-319**	19mm		•

GEARWRENCH



SAE *APX* **85199**



SAE *APX* **85108**

XL COMBINATION RATCHETING WRENCHES & SETS

XL Wrenches are 20% Longer and 25% Stronger

- Increased length provides more torque and better access to those hard to reach fasteners
- Ratcheting box end needs as little as 5 degrees to move fasteners vs. 30 degrees for standard box-end wrenches
- Surface drive design reduces fastener rounding

Item No.	Size	*APX* 85199 13 Pc. Set w/Rack	*APX* 85099 16 Pc. Set w/Rack	*APX* 85198 8 Pc. Set w/Rack	*APX* 85098 12 Pc. Set w/Rack
APX **85108**	1/4"	•			
APX **85110**	5/16"	•		•	
APX **85112**	3/8"	•		•	
APX **85114**	7/16"	•		•	
APX **85116**	1/2"	•		•	
APX **85118**	9/16"	•		•	
APX **85120**	5/8"	•		•	
APX **85122**	11/16"	•		•	
APX **85124**	3/4"	•		•	
APX **85126**	13/16"	•			
APX **85128**	7/8"	•			
APX **85130**	15/16"	•			
APX **85132**	1"	•			
APX **85008**	8mm		•		•
APX **85009**	9mm		•		•
APX **85010**	10mm		•		•
APX **85011**	11mm		•		•
APX **85012**	12mm		•		•
APX **85013**	13mm		•		•
APX **85014**	14mm		•		•
APX **85015**	15mm		•		•
APX **85016**	16mm		•		•
APX **85017**	17mm		•		•
APX **85018**	18mm		•		•
APX **85019**	19mm		•		•
APX **85020**	20mm		•		
APX **85021**	21mm		•		
APX **85022**	22mm		•		
APX **85024**	24mm		•		

GEARWRENCH



SAE *APX* **85798**



SAE *APX* **85722**



MET *APX* **85888**



SAE *APX* **85864**

XL LOCKING FLEX-HEAD COMBINATION RATCHETING WRENCHES & SETS

XL Locking Flex - 15% longer than standard flex ratcheting

- 13 Locking positions with flexible head
- One finger - operated lever with options of "locked" or "unlocked" positions
- Increased length to access those hard to reach fasteners
- Surface Drive design reduces fastener rounding

Item No.	Size	*APX* **85798** 8 Pc. Set w/Rack	*APX* **85698** 12 Pc. Set w/Rack
APX **85710**	5/16"	•	
APX **85712**	3/8"	•	
APX **85714**	7/16"	•	
APX **85716**	1/2"	•	
APX **85718**	9/16"	•	
APX **85720**	5/8"	•	
APX **85722**	11/16"	•	
APX **85724**	3/4"	•	
APX **85608**	8mm		•
APX **85609**	9mm		•
APX **85610**	10mm		•
APX **85611**	11mm		•
APX **85612**	12mm		•
APX **85613**	13mm		•
APX **85614**	14mm		•
APX **85615**	15mm		•
APX **85616**	16mm		•
APX **85617**	17mm		•
APX **85618**	18mm		•
APX **85619**	19mm		•

XL X-BEAM™ COMBINATION RATCHETING WRENCHES & SETS

- Patented, award winning design
- X-beam™ design has over 500% more surface area, enabling more force and less hand fatigue
- One piece forged beam design — no metal twisting or weak spots
- Up to 25% longer to access hard- to -reach fasteners
- Surface Drive® on box end provides off corner loading for better grip and reduced faster rounding

Item No.	Size	*APX* **85898** 9 Pc. Set w/Storage Tray	*APX* **85888** 12 Pc. Set w/Storage Tray
APX **85850**	5/16"	•	
APX **85851**	11/32"	•	
APX **85852**	3/8"	•	
APX **85854**	7/16"	•	
APX **85856**	1/2"	•	
APX **85858**	9/16"	•	
APX **85860**	5/8"	•	
APX **85862**	11/16"	•	
APX **85864**	3/4"	•	
APX **85808**	8mm		•
APX **85809**	9mm		•
APX **85810**	10mm		•
APX **85811**	11mm		•
APX **85812**	12mm		•
APX **85813**	13mm		•
APX **85814**	14mm		•
APX **85815**	15mm		•
APX **85816**	16mm		•
APX **85817**	17mm		•
APX **85818**	18mm		•
APX **85819**	19mm		•

GEARWRENCH



SAE *APX* **9312**



SAE *APX* **9016**



SAE *APX* **9308**

"ORIGINAL" COMBINATION RATCHETING WRENCHES & SETS

- Ratcheting box end needs as little as 5 degrees to move fasteners versus 30 degrees for standard box end wrenches
- Surface Drive technology provides strong grip on fasteners
- Reduces fastener rounding
- Delivers up to 25% more torque

Item No.	Size	*APX* **9312** 13 Pc. Set w/Rack	*APX* **9308** 8 Pc. Set w/Tray	*APX* **9317** 7 Pc. Set w/Tray	*APX* **93005** 5 Pc. Set	*APX* **9416** 16 Pc. Set w/Rack	*APX* **9412** 12 Pc. Set w/Tray	*APX* **9417** 7 Pc. Set w/Tray	*APX* **93004** 5 Pc. Set
APX **9008**	1/4"	•							
APX **9010**	5/16"	•	•	•					
APX **9011**	11/32"								
APX **9012**	3/8"	•	•	•	•				
APX **9014**	7/16"	•	•	•	•				
APX **9016**	1/2"	•	•	•	•				
APX **9018**	9/16"	•	•	•	•				
APX **9020**	5/8"	•	•	•	•				
APX **9022**	11/16"	•	•						
APX **9024**	3/4"	•	•	•					
APX **9026**	13/16"	•							
APX **9028**	7/8"	•							
APX **9030**	15/16"	•							
APX **9032**	1"	•							
APX **9034**	1 1/16"								
APX **9036**	1 1/8"								
APX **9038**	1 1/4"								
APX **9106**	6mm								
APX **9107**	7mm								
APX **9108**	8mm					•	•	•	
APX **9109**	9mm					•	•		
APX **9110**	10mm					•	•	•	•
APX **9111**	11mm					•	•		
APX **9112**	12mm					•	•	•	•
APX **9113**	13mm					•	•	•	•
APX **9114**	14mm					•	•	•	•
APX **9115**	15mm					•	•	•	•
APX **9116**	16mm					•	•		
APX **9117**	17mm					•	•		
APX **9118**	18mm					•	•	•	
APX **9119**	19mm					•	•		
APX **9120**	20mm					•			
APX **9121**	21mm					•			
APX **9122**	22mm					•			
APX **9124**	24mm					•			
APX **9125**	25mm								
APX **9127**	27mm								
APX **9130**	30mm								
APX **9132**	32mm								
APX **9134**	34mm								

GEARWRENCH



SAE *APX* **9509**



SAE *APX* **9521**



SAE *APX* **9533**

REVERSIBLE COMBINATION RATCHETING WRENCHES & SETS

- Compact reversing lever prevents having to remove wrench from fastener to change direction
- 15 degree off-set provides additional knuckle clearance
- Surface Drive technology prevents fastener rounding

Item No.	Size	*APX* **9509** 13 Pc. Set w/Rack	*APX* **9533** 8 Pc. Set w/Tray	*APX* **9602** 16 Pc. Set w/Rack	*APX* **9620** 12 Pc. Set w/Tray	*APX* **9543** 8 Pc. Set	*APX* **9545** 4 Pc. Set	*APX* **9601** 4 Pc. Set
APX **9525**	5/16"	•	•					
APX **9521**	11/32"	•						
APX **9526**	3/8"	•	•					
APX **9527**	7/16"	•	•					
APX **9528**	1/2"	•	•					
APX **9529**	9/16"	•	•					
APX **9530**	5/8"	•	•					
APX **9531**	11/16"	•	•					
APX **9532**	3/4"	•	•					
APX **9534**	13/16"	•					•	
APX **9538**	7/8"	•					•	
APX **9539**	15/16"	•					•	
APX **9540**	1"	•					•	
APX **9608**	8mm			•	•	•		
APX **9609**	9mm			•	•			
APX **9610**	10mm			•	•	•		
APX **9611**	11mm			•	•			
APX **9612**	12mm			•	•	•		
APX **9613**	13mm			•	•	•		
APX **9614**	14mm			•	•	•		
APX **9615**	15mm			•	•	•		
APX **9616**	16mm			•	•			
APX **9617**	17mm			•	•	•		
APX **9618**	18mm			•	•			
APX **9619**	19mm			•	•	•		
APX **9621**	21mm			•				•
APX **9622**	22mm			•				•
APX **9624**	24mm			•				•
APX **9625**	25mm			•				•

GEARWRENCH



SAE APX 9702



MET APX 9908



SAE APX 9700

FLEX-HEAD COMBINATION RATCHETING WRENCHES & SETS

- Flex Head tilts up to 180 degree at any interval
- Adjustable set screw allows you to set desired head tension

Item No.	Size	APX 9702 13 Pc. Set w/Rack	APX 9701 8 Pc. Set w/Rack	APX 9700 7 Pc. Set w/Tray	APX 9902 16 Pc. Set w/Rack	APX 9901 12 Pc. Set w/Rack	APX 9900 7 Pc. Set w/Tray	APX 9703 4 Pc. Set	APX 9903 4 Pc. Set
APX 9705	5/16"	•	•						
APX 9704	11/32"	•							
APX 9706	3/8"	•	•	•					
APX 9707	7/16"	•	•	•					
APX 9708	1/2"	•	•	•					
APX 9709	9/16"	•	•	•					
APX 9710	5/8"	•	•	•					
APX 9711	11/16"	•	•	•					
APX 9712	3/4"	•	•	•					
APX 9713	13/16"	•						•	
APX 9714	7/8"	•						•	
APX 9715	15/16"	•						•	
APX 9716	1"	•						•	
APX 9908	8mm				•	•			
APX 9909	9mm				•	•			
APX 9910	10mm				•	•	•		
APX 9911	11mm				•	•			
APX 9912	12mm				•	•	•		
APX 9913	13mm				•	•	•		
APX 9914	14mm				•	•	•		
APX 9915	15mm				•	•	•		
APX 9916	16mm				•	•			
APX 9917	17mm				•	•	•		
APX 9918	18mm				•	•			
APX 9919	19mm				•	•	•		
APX 9921	21mm				•				•
APX 9922	22mm				•				•
APX 9924	24mm				•				•
APX 9925	25mm				•				•

GEARWRENCH



APX 86247



SAE APX 86238



MET APX 86219

120XP™ UNIVERSAL SPLINE XL FLEX-HEAD COMBINATION RATCHETING WRENCHES & SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines.
- Dual Direction Surface Drive® gives better grip and reduces fastener rounding
- Reduced Open-End and Box-End diameters for increased access.
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE
- Ratcheting Flex-Head Box-End gives adjustable access angle

Item No.	Size	APX 86247 11 Pc. Set w/ Storage Rack	APX 86229 12 Pc. Set w/ Storage Rack
APX 86232	1/4"	•	
APX 86233	9/32"	•	
APX 86234	5/16"	•	
APX 86235	11/32"	•	
APX 86236	3/8"	•	
APX 86237	7/16"	•	
APX 86238	1/2"	•	
APX 86239	9/16"	•	
APX 86240	5/8"	•	
APX 86241	11/16"	•	
APX 86242	3/4"	•	
APX 86208	8mm		•
APX 86209	9mm		•
APX 86210	10mm		•
APX 86211	11mm		•
APX 86212	12mm		•
APX 86213	13mm		•
APX 86214	14mm		•
APX 86215	15mm		•
APX 86216	16mm		•
APX 86217	17mm		•
APX 86218	18mm		•
APX 86219	19mm		•



APX 86142



SAE APX 86133



MET APX 86119

120XP™ UNIVERSAL SPLINE XL FLEX-HEAD GEARBOX™ RATCHETING WRENCHES & SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines.
- Dual Direction Surface Drive® gives better grip and reduces fastener rounding
- Reduced Box-End diameters for increased access.
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE
- Ratcheting Flex-Head Box-End gives adjustable access angle

Item No.	Size	APX 86142 10 Pc. Set w/ Storage Rack	APX 86126 10 Pc. Set w/ Storage Rack
APX 86128	1/4"	•	
APX 86129	5/16"	•	
APX 86130	11/32"	•	
APX 86131	3/8"	•	
APX 86132	7/16"	•	
APX 86133	1/2"	•	
APX 86134	9/16"	•	
APX 86135	5/8"	•	
APX 86136	11/16"	•	
APX 86137	3/4"	•	
APX 86108	8mm		
APX 86109	9mm		
APX 86110	10mm		•
APX 86111	11mm		•
APX 86112	12mm		•
APX 86113	13mm		•
APX 86114	14mm		•
APX 86115	15mm		•
APX 86116	16mm		•
APX 86117	17mm		•
APX 86118	18mm		•
APX 86119	19mm		•

GEARWRENCH



SAE *APX* **86437**



MET *APX* **86419**



APX **86426**

120XP™ UNIVERSAL SPLINE XL COMBINATION RATCHETING WRENCHES & SETS

- 120 Positions give a 3° ratcheting arc for working in tighter confines
- Dual Direction Surface Drive® gives better grip and reduces fastener rounding
- Reduced Open-End and Box-End diameters for increased access
- Highly visible, recessed color size markings on each end; Blue Metric, Red SAE

Item No.	Size	*APX* **86451** 16 Pc. Set w/ Storage Rack	*APX* **86427** 16 Pc. Set w/ Storage Rack	*APX* **86426** 14 Pc. Set w/ Storage Rack	*APX* **86450** 11 Pc. Set w/ Storage Rack	*APX* **86452** 7 Pc. Set w/ Storage Rack	*APX* **86428** 4 Pc. Set w/ Storage Rack
APX **86430**	7/32"	•					
APX **86431**	1/4"	•			•		
APX **86432**	9/32"	•			•		
APX **86433**	5/16"	•			•		
APX **86434**	11/32"	•			•		
APX **86435**	3/8"	•			•		
APX **86436**	7/16"	•			•		
APX **86437**	1/2"	•			•		
APX **86438**	9/16"	•			•		
APX **86439**	5/8"	•			•		
APX **86440**	11/16"	•			•		
APX **86441**	3/4"	•			•		
APX **86442**	13/16"	•				•	
APX **86443**	7/8"	•				•	
APX **86444**	15/16"	•				•	
APX **86445**	1"	•				•	
APX **86446**	1 1/16"					•	
APX **86447**	1 1/8"					•	
APX **86448**	1 1/4"					•	
APX **86406**	6mm			•			
APX **86407**	7mm			•			
APX **86408**	8mm		•	•			
APX **86409**	9mm		•	•			
APX **86410**	10mm		•	•			
APX **86411**	11mm		•	•			
APX **86412**	12mm		•	•			
APX **86413**	13mm		•	•			
APX **86414**	14mm		•	•			
APX **86415**	15mm		•	•			
APX **86416**	16mm		•	•			
APX **86417**	17mm		•	•			
APX **86418**	18mm		•	•			
APX **86419**	19mm		•	•			
APX **86420**	20mm		•				•
APX **86421**	21mm		•				•
APX **86422**	22mm		•				•
APX **86424**	24mm		•				•

GEARWRENCH





SAE

APX **85599**

OPEN-END RATCHETING WRENCHES & SETS

- Combines the speed of ratcheting with the access of the open end wrench
- The patented tooth design provides the unique ratcheting function making jobs faster and easier.
- Quickly ratchet nuts and bolts without removing the wrench from the fastener.

Item No.	Size	*APX* 85599 8 Pc. Set	*APX* 85597 12 Pc. Set
APX **85570**	5/16"	•	
APX **85572**	3/8"	•	
APX **85574**	7/16"	•	
APX **85576**	1/2"	•	
APX **85578**	9/16"	•	
APX **85580**	5/8"	•	
APX **85582**	11/16"	•	
APX **85584**	3/4"	•	
APX **85508**	8mm		•
APX **85509**	9mm		•
APX **85510**	10mm		•
APX **85511**	11mm		•
APX **85512**	12mm		•
APX **85513**	13mm		•
APX **85514**	14mm		•
APX **85515**	15mm		•
APX **85516**	16mm		•
APX **85517**	17mm		•
APX **85518**	18mm		•
APX **85519**	19mm		•



APX **85498**



SAE

APX **85498**

INDEXING COMBINATION RATCHETING WRENCHES & SETS

- Combines the speed of ratcheting with the access of the open end wrench
- The patented tooth design provides the unique ratcheting function making jobs faster and easier.
- Quickly ratchet nuts and bolts without removing the wrench from the fastener.

Item No.	Size	*APX* 85498 8 Pc. Set	*APX* 85488 12 Pc. Set
APX **85450**	5/16"	•	
APX **85452**	3/8"	•	
APX **85454**	7/16"	•	
APX **85456**	1/2"	•	
APX **85458**	9/16"	•	
APX **85460**	5/8"	•	
APX **85462**	11/16"	•	
APX **85464**	3/4"	•	
APX **85418**	8mm		•
APX **85439**	9mm		•
APX **85440**	10mm		•
APX **85441**	11mm		•
APX **85442**	12mm		•
APX **85443**	13mm		•
APX **85444**	14mm		•
APX **85445**	15mm		•
APX **85446**	16mm		•
APX **85447**	17mm		•
APX **85448**	18mm		•
APX **85449**	19mm		•

LARGE COMBINATION RATCHETING WRENCHES & SETS

Item No.	Size	*APX* 9309 4 Pc. Set w/Tray	*APX* 9413 4 Pc. Set w/Tray
APX **9026**	13/16"	•	
APX **9028**	7/8"	•	
APX **9030**	15/16"	•	
APX **9032**	1"	•	
APX **9121**	21mm		•
APX **9122**	22mm		•
APX **9124**	24mm		•
APX **9125**	25mm		•



SAE

GEARWRENCH



APX 9570 SAE



MET APX 9554

STUBBY FLEX COMBINATION RATCHETING WRENCHES & SETS

- Flex head tilts up to 180° at any interval for access to confined areas.
- Stubby wrench beam allows access into tight areas.

Item No.	Size	APX 9570 7 Pc. Set w/Tray	APX 9550 10 Pc. Set w/Tray
APX 9571	3/8"	•	
APX 9572	7/16"	•	
APX 9573	1/2"	•	
APX 9574	9/16"	•	
APX 9575	5/8"	•	
APX 9576	11/16"	•	
APX 9577	3/4"	•	
APX 9551	10mm		•
APX 9552	11mm		•
APX 9553	12mm		•
APX 9554	13mm		•
APX 9555	14mm		•
APX 9556	15mm		•
APX 9557	16mm		•
APX 9558	17mm		•
APX 9559	18mm		•
APX 9560	19mm		•



APX 9520 MET



SAE APX 9500

STUBBY COMBINATION RATCHETING WRENCHES & SETS

Same great concept as the original GearWrench® in a "stubby" length for work in tight spaces.

Item No.	Size	APX 9507 7 Pc. Set w/Tray	APX 9520 10 Pc. Set w/Tray
APX 9500	3/8"	•	
APX 9501	7/16"	•	
APX 9502	1/2"	•	
APX 9503	9/16"	•	
APX 9504	5/8"	•	
APX 9505	11/16"	•	
APX 9506	3/4"	•	
APX 9510	10mm		•
APX 9511	11mm		•
APX 9512	12mm		•
APX 9513	13mm		•
APX 9514	14mm		•
APX 9515	15mm		•
APX 9516	16mm		•
APX 9517	17mm		•
APX 9518	18mm		•
APX 9519	19mm		•

HALF-MOON REVERSIBLE RATCHETING WRENCHES & SETS

Productivity

- Ratcheting Box-End needs as little as 5° to move fastener VS. 30° for standard box end wrenches
- Dual access reversing levers

Design

- Surface Drive® design nearly eliminates fastener rounding

Access

- Half-Moon shape provides ease in getting around obstacles

Item No.	Size	APX 9840 4 Pc. Set w/Tray	APX 9850 5 Pc. Set w/Tray
APX 9841	3/8" x 7/16"	•	
APX 9842	1/2" x 9/16"	•	
APX 9843	5/8" x 11/16"	•	
APX 9844	3/4" x 7/8"	•	
APX 9851	10mm x 12mm		•
APX 9852	11mm x 13mm		•
APX 9853	14mm x 16mm		•
APX 9854	15mm x 17mm		•
APX 9855	19mm x 22mm		•



MET APX 9850



SAE APX 9841

GEARWRENCH



SAE *APX* **9201**

SAE *APX* **9240**



DOUBLE-BOX RATCHETING WRENCHES & SETS

- Save weight: 2 sizes in one wrench!
- Surface Drive® on box end provides off-corner loading for better grip and reduced fasteners rounding

Item No.	Size	*APX* 9240 4 Pc. Set w/Tray	*APX* 9260 6 Pc. Set w/Tray
APX **9201**	$^{15}/_{16}$" x $^{3}/_{8}$"	•	
APX **9202**	$^{7}/_{16}$" x $^{1}/_{2}$"	•	
APX **9203**	$^{9}/_{16}$" x $^{5}/_{8}$"	•	
APX **9204**	$^{11}/_{16}$" x $^{3}/_{4}$"	•	
APX **9210**	8mm x 9mm		•
APX **9211**	10mm x 11mm		•
APX **9212**	12mm x 13mm		•
APX **9213**	14mm x 15mm		•
APX **9214**	16mm x 18mm		•
APX **9215**	17mm x 19mm		•



SAE *APX* **89100**

FLEX FLARE NUT RATCHETING WRENCHES & SETS

- Quickly ratchet flare nuts and bolts without removing wrench from fastener
- Flex head provides access to difficult-to-reach hose fittings and gets around other obstructions
- Flare nut wrench head easily slips over lines
- Flex Flare nut wrench design exceeds ANSI requirements for strength and durability

Item No.	Size	*APX* 89100 5 Pc. Set	*APX* 89101D 6 Pc. Set
APX **89109**	$^{1}/_{4}$" x $^{5}/_{16}$"	•	
APX **89110**	$^{3}/_{8}$" x $^{7}/_{16}$"	•	
APX **89111**	$^{1}/_{2}$" x $^{9}/_{16}$"	•	
APX **89112**	$^{5}/_{8}$" x $^{11}/_{16}$"	•	
APX **89113**	$^{3}/_{4}$" x $^{7}/_{8}$"	•	
APX **89102**	9 x 11mm		•
APX **89103**	10 x 12mm		•
APX **89104**	13 x 14mm		•
APX **89105**	15 x 17mm		•
APX **89106**	16 x 18mm		•
APX **89107**	19 x 21mm		•



E-TORX® RATCHETING WRENCHES & SETS

Item No.	Size	*APX* 9224 4 Pc. Set
APX **9220**	E6 x E8	•
APX **9221**	E10 x E12	•
APX **9222**	E14 x E18	•
APX **9223**	E20 x E24	•

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.

S-SHAPE REVERSIBLE DOUBLE-BOX RATCHETING WRENCHES

- Slim S-Shape design allows for easy access around obstructions
- Surface Drive® on box end provides off-corner loading for better grip and reduced fastener rounding



SAE *APX* **85399**

Item No.	Size	*APX* 85399 4 Pc. Set	*APX* 85299 5 Pc. Set
APX **85326**	$^{3}/_{8}$" x $^{7}/_{16}$"	•	
APX **85334**	$^{1}/_{2}$" x $^{9}/_{16}$"	•	
APX **85342**	$^{5}/_{8}$" x $^{11}/_{16}$"	•	
APX **85352**	$^{3}/_{4}$" x $^{7}/_{8}$"	•	
APX **85222**	10mm x 12mm		•
APX **85224**	11mm x 13mm		•
APX **85230**	14mm x 16mm		•
APX **85232**	15mm x 17mm		•
APX **85241**	19mm x 22mm		•



SAE *APX* **9062**

JUMBO COMBINATION RATCHETING WRENCHES

- Sizes up to 2" and 50mm
- Improved box end strength
- Surface Drive® reduces fastener rounding
- Ratcheting box-end needs as little as 5° to move a fastener vs. 30° for standard box end wrenches
- Sleek head design enables access to tight spots where a ratchet will not fit

Item No.	Size
APX **9060**	$1^{5}/_{16}$"
APX **9062**	$1^{3}/_{8}$"
APX **9040**	$1^{7}/_{16}$"
APX **9042**	$1^{1}/_{2}$"
APX **9044**	$1^{9}/_{16}$"
APX **9046**	$1^{5}/_{8}$"
APX **9048**	$1^{11}/_{16}$"
APX **9050**	$1^{3}/_{4}$"

Item No.	Size
APX **9052**	$1^{13}/_{16}$"
APX **9054**	$1^{7}/_{8}$"
APX **9056**	2"
APX **9136**	36mm
APX **9141**	41mm
APX **9146**	46mm
APX **9150**	50mm



AIT **25-642**

12 PT. COMBINATION WRENCHES & SETS

- Made in the USA — Quality and Availability
- Meet applicable aerospace standards Sizes 5/16" - 1"
- Box end incorporate a radius corner design that engages the flats of the fastener, not the corners, providing up to 15% -20% more torque while reducing faster rounding, enhancing the turning of worn fasteners
- Box ends are offset a true 15° for clearing obstructions and knuckle clearance on flat surfaces
- The Shank to box end transition area is also reinforced to provide greater strength

Item No.	Size	Finish	*AIT* 25-642 15 Pc. Set w/Vinyl Roll	*AIT* 52-634 15 Pc. Set w/Vinyl Roll
AIT **25-210**	5/16"	Full-Polish	•	
AIT **25-212**	3/8"	Full-Polish	•	
AIT **25-214**	7/16"	Full-Polish	•	
AIT **25-216**	1/2"	Full-Polish	•	
AIT **25-218**	9/16"	Full-Polish	•	
AIT **25-220**	5/8"	Full-Polish	•	
AIT **25-222**	11/16"	Full-Polish	•	
AIT **25-224**	3/4"	Full-Polish	•	
AIT **25-226**	13/16"	Full-Polish	•	
AIT **25-228**	7/8"	Full-Polish	•	
AIT **25-230**	15/16"	Full-Polish	•	
AIT **25-232**	1"	Full-Polish	•	
AIT **25-234**	1 1/16"	Full-Polish	•	
AIT **25-236**	1 1/8"	Full-Polish	•	
AIT **25-240**	1 1/4"	Full-Polish	•	
AIT **52-207**	7mm	Full-Polish		•
AIT **52-208**	8mm	Full-Polish		•
AIT **52-209**	9mm	Full-Polish		•
AIT **52-210**	10mm	Full-Polish		•
AIT **52-211**	11mm	Full-Polish		•
AIT **52-212**	12mm	Full-Polish		•
AIT **52-213**	13mm	Full-Polish		•
AIT **52-214**	14mm	Full-Polish		•
AIT **52-215**	15mm	Full-Polish		•
AIT **52-216**	16mm	Full-Polish		•
AIT **52-217**	17mm	Full-Polish		•
AIT **52-218**	18mm	Full-Polish		•
AIT **52-219**	19mm	Full-Polish		•
AIT **52-220**	20mm	Full-Polish		•
AIT **52-221**	21mm	Full-Polish		•
AIT **29-468**	Tool Holder		•	•



AIT **25-220**



AIT **30-220**



AIT **25-470**

Item No.	Size	Finish	*AIT* 30-644 15 Pc. Set w/Vinyl Roll	*AIT* 56-628 15 Pc. Set w/Vinyl Roll	*AIT* 25-681 15 Pc. Set w/Vinyl Roll
AIT **30-210**	5/16"	Black Oxide	•		
AIT **30-212**	3/8"	Black Oxide	•		
AIT **30-214**	7/16"	Black Oxide	•		
AIT **30-216**	1/2"	Black Oxide	•		
AIT **30-218**	9/16"	Black Oxide	•		
AIT **30-220**	5/8"	Black Oxide	•		
AIT **30-222**	11/16"	Black Oxide	•		
AIT **30-224**	3/4"	Black Oxide	•		
AIT **30-226**	13/16"	Black Oxide	•		
AIT **30-228**	7/8"	Black Oxide	•		
AIT **30-230**	15/16"	Black Oxide	•		
AIT **30-232**	1"	Black Oxide	•		
AIT **30-234**	1 1/16"	Black Oxide	•		
AIT **30-236**	1 1/8"	Black Oxide	•		
AIT **30-240**	1 1/4"	Black Oxide	•		
AIT **56-210**	10mm	Black Oxide		•	
AIT **56-211**	11mm	Black Oxide		•	
AIT **56-212**	12mm	Black Oxide		•	
AIT **56-213**	13mm	Black Oxide		•	
AIT **56-214**	14mm	Black Oxide		•	
AIT **56-215**	15mm	Black Oxide		•	
AIT **56-216**	16mm	Black Oxide		•	
AIT **56-217**	17mm	Black Oxide		•	
AIT **56-218**	18mm	Black Oxide		•	
AIT **56-219**	19mm	Black Oxide		•	
AIT **56-220**	20mm	Black Oxide		•	
AIT **56-221**	21mm	Black Oxide		•	
AIT **56-222**	22mm	Black Oxide		•	
AIT **56-223**	23mm	Black Oxide		•	
AIT **56-224**	24mm	Black Oxide		•	
AIT **25-460**	5/16"	Satin			•
AIT **25-462**	3/8"	Satin			•
AIT **25-464**	7/16"	Satin			•
AIT **25-466**	1/2"	Satin			•
AIT **25-468**	9/16"	Satin			•
AIT **25-470**	5/8"	Satin			•
AIT **25-472**	11/16"	Satin			•
AIT **25-474**	3/4"	Satin			•
AIT **25-476**	13/16"	Satin			•
AIT **25-478**	7/8"	Satin			•
AIT **25-480**	15/16"	Satin			•
AIT **25-482**	1"	Satin			•
AIT **25-484**	1 1/16"	Satin			•
AIT **25-486**	1 1/8"	Satin			•
AIT **25-490**	1 1/4"	Satin			•
AIT **29-468**	Tool Holder		•	•	•

EVERCRAFT™



BK 774-0217



BK 774-0209



SAE BK 774-2314



MET BK 774-2415

12 PT. ULTRA-FINISH COMBINATION WRENCHES & SETS

Item No.	Size	BK 774-0217 14 Pc. Set w/Roll-Up Pouch	BK 774-0218 14 Pc. Set w/Roll-Up Pouch	BK 774-0210 11 Pc. Set w/Storage Rack	BK 774-0211 11 Pc. Set w/Storage Rack	BK 774-0208 7 Pc. Set w/Storage Rack	BK 774-0209 7 Pc. Set w/Storage Rack
BK 774-2308	1/4"			•			
BK 774-2310	5/16"			•			
BK 774-2312	3/8"	•		•		•	
BK 774-2314	7/16"	•		•		•	
BK 774-2316	1/2"	•		•		•	
BK 774-2318	9/16"	•		•		•	
BK 774-2320	5/8"	•		•		•	
BK 774-2322	11/16"	•		•		•	
BK 774-2324	3/4"	•		•		•	
BK 774-2326	13/16"	•		•			
BK 774-2328	7/8"	•		•			
BK 774-2330	15/16"	•					
BK 774-2332	1"	•					
BK 774-2334	1 1/16"	•					
BK 774-2336	1 1/8"	•					
BK 774-2340	1 1/4"	•					
BK 774-2406	6mm						
BK 774-2407	7mm						
BK 774-2408	8mm						
BK 774-2409	9mm		•		•		•
BK 774-2410	10mm		•		•		•
BK 774-2411	11mm		•		•		
BK 774-2412	12mm		•		•		•
BK 774-2413	13mm		•		•		•
BK 774-2414	14mm		•		•		•
BK 774-2415	15mm		•		•		•
BK 774-2416	16mm		•		•		
BK 774-2417	17mm		•		•		•
BK 774-2418	18mm		•		•		
BK 774-2419	19mm		•		•		
BK 774-2421	21mm		•				
BK 774-2422	22mm		•				
BK 774-2424	24mm		•				
BK 774-2425	25mm						
BK 774-2427	27mm						
BK 774-2429	29mm						

Larger "Jumbo" wrenches continued on next page.

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

EVERCRAFT® WRENCHES

- CR-V Constructed
- Standard Length wrenches (page 70)
- Mirror polish up to 15/16"
- Raised panel jumbo sizes (page 71)
- Chrome-plated
- 12 point wrenches available (page 70-71 and 77)



BK **774-0212** SAE

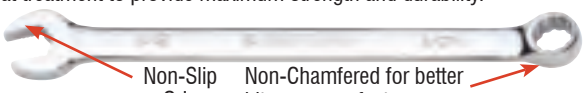
12 PT. JUMBO COMBINATION WRENCHES & SETS

Item No.	Size	*BK* 774-0212 7 Pc. Set w/HD Metal Clip	*BK* 774-0213 7 Pc. Set w/HD Metal Clip
BK **774-2342**	15/16"	•	
BK **774-2344**	1 3/8"	•	
BK **774-2348**	1 1/2"	•	
BK **774-2352**	1 5/8"	•	
BK **774-2356**	1 3/4"	•	
BK **774-2360**	1 7/8"	•	
BK **774-2364**	2"	•	
BK **774-2372**	2 1/4"		
BK **774-2380**	2 1/2"		
BK **774-2430**	30mm		
BK **774-2432**	32mm		
BK **774-2433**	33mm		•
BK **774-2434**	34mm		•
BK **774-2436**	36mm		•
BK **774-2440**	40mm		•
BK **774-2442**	42mm		•
BK **774-2446**	46mm		•
BK **774-2450**	50mm		•

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE® COMBINATION WRENCHES

Carlyle professional combination wrenches are designed to be the technician's first choice for getting the job done and are backed by NAPA's commitment to detail and quality from the top to bottom. Each wrench is constructed from chrome vanadium (CR-V) high alloy steel and produced using a precision hot-forging process with an extra emphasis on special heat treatment to provide maximum strength and durability.



www.carlyletools.com/products/wrenches/combination


CHT **CWLNS112**


CHT **CWL1211M**

LONG BEAM WRENCHES

Feature an aggressive non-slip design. Up to 20% longer than standard combination wrenches. Extra attention to the details means a lifetime of satisfaction with your investment.

12 PT. LONG BEAM FULL-POLISH COMBINATION WRENCHES & SETS

Item No.	Size	*CHT* CWL1219M 19 Pc. Set w/Roll-Up Pouch	*CHT* CWL1218 18 Pc. Set w/Roll-Up Pouch	*CHT* CWL1211 11 Pc. Set w/Storage Rack	*CHT* CWL1211M 11 Pc. Set w/Storage Rack	*CHT* CWL1207 7 Pc. Set w/Storage Rack	*CHT* CWL1207M 7 Pc. Set w/Storage Rack
CHT **CWLNS108**	1/4"		•				
CHT **CWLNS110**	5/16"		•				
CHT **CWLNS111**	11/32"		•				
CHT **CWLNS112**	3/8"		•	•		•	
CHT **CWLNS114**	7/16"		•	•		•	
CHT **CWLNS116**	1/2"		•	•		•	
CHT **CWLNS118**	9/16"		•	•		•	
CHT **CWLNS120**	5/8"		•	•		•	
CHT **CWLNS122**	11/16"		•	•		•	
CHT **CWLNS124**	3/4"		•	•		•	
CHT **CWLNS126**	13/16"		•	•			
CHT **CWLNS128**	7/8"		•	•			
CHT **CWLNS130**	15/16"		•	•			
CHT **CWLNS132**	1"		•	•			
CHT **CWLNS134**	1 1/16"		•				
CHT **CWLNS136**	1 1/8"		•				
CHT **CWLNS138**	1 3/16"		•				
CHT **CWLNS140**	1 1/4"		•				
CHT **CWLNS106M**	6mm	•					
CHT **CWLNS107M**	7mm	•					•
CHT **CWLNS108M**	8mm	•					•
CHT **CWLNS109M**	9mm	•			•		•
CHT **CWLNS110M**	10mm	•			•		•
CHT **CWLNS111M**	11mm	•			•		•
CHT **CWLNS112M**	12mm	•			•		•
CHT **CWLNS113M**	13mm	•			•		•
CHT **CWLNS114M**	14mm	•			•		
CHT **CWLNS115M**	15mm	•			•		
CHT **CWLNS116M**	16mm	•			•		
CHT **CWLNS117M**	17mm	•			•		
CHT **CWLNS118M**	18mm	•			•		
CHT **CWLNS119M**	19mm	•			•		
CHT **CWLNS120M**	20mm	•					
CHT **CWLNS121M**	21mm	•					
CHT **CWLNS122M**	22mm	•					
CHT **CWLNS123M**	23mm	•					
CHT **CWLNS124M**	24mm	•					
CHT **CWLNS125M**	25mm						
CHT **CWLNS126M**	26mm						
CHT **CWLNS127M**	27mm						
CHT **CWLNS128M**	28mm						
CHT **CWLNS129M**	29mm						
CHT **CWLNS130M**	30mm						
CHT **CWLNS132M**	32mm						

WARNING: Always wear protective eyewear when using hand tools and accessories.



12 PT. FULL-POLISH LONG PATTERN COMBINATION WRENCHES & SET

- Box ends incorporate a radius corner design that engages the flats of the fastener, not the corners, providing up to 15% -20% more torque while reducing fastener rounding, enhancing the turning of worn fasteners
- Box ends are offset a true 15° for clearing obstructions and knuckle clearance on flat surfaces
- Large size stamp on both ends of the wrench and both sides of the wrench for ease in identification
- Full polish chrome finish provides smooth edges with a high luster
- Both box ends incorporate a radius corner design that engages the flats of the fastener, not the corners, providing up to 15% -20% more torque while reducing fastener rounding, enhancing the turning of worn fasteners
- Made in the USA - quality and availability

Item No.	Size	*AIT* 52-638 18 Pc. Set
AIT **52-207**	7mm	•
AIT **52-208**	8mm	•
AIT **52-209**	9mm	•
AIT **52-210**	10mm	•
AIT **52-211**	11mm	•
AIT **52-212**	12mm	•
AIT **52-213**	13mm	•
AIT **52-214**	14mm	•
AIT **52-215**	15mm	•
AIT **52-216**	16mm	•
AIT **52-217**	17mm	•
AIT **52-218**	18mm	•
AIT **52-219**	19mm	•
AIT **52-220**	20mm	•
AIT **52-221**	21mm	•
AIT **52-222**	22mm	•
AIT **52-223**	23mm	•
AIT **52-224**	24mm	•
AIT **29-470**	Vinyl Roll 18 Pockets	•



12 PT. BLACK OXIDE LONG PATTERN COMBINATION WRENCHES & SET

- Box ends incorporate a radius corner design that engages the flats of the fastener, not the corners, providing up to 15% -20% more torque while reducing fastener rounding, enhancing the turning of worn fasteners
- Box ends are offset a true 15° for clearing obstructions and knuckle clearance on flat surfaces
- The shank to box end transition area is also reinforced to provide greater strength
- Open end has a radius design for greater strength; especially when compared to a hex open end
- Large size stamp on both ends of the wrench and both sides of the wrench for ease in identification
- Black oxide finish provides smooth edges with an industrial finish
- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.9M-1994
- Made in the USA - quality and availability

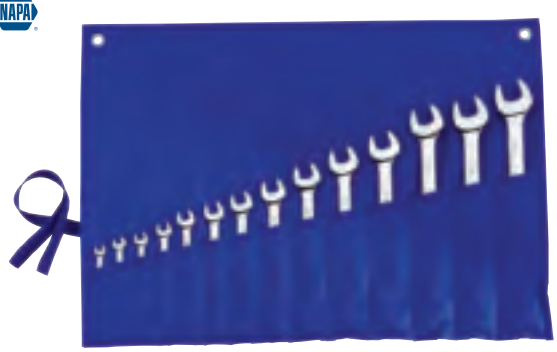
Item No.	Size	*AIT* 56-628 15 Pc. Set
AIT **56-210**	10mm	•
AIT **56-211**	11mm	•
AIT **56-212**	12mm	•
AIT **56-213**	13mm	•
AIT **56-214**	14mm	•
AIT **56-215**	15mm	•
AIT **56-216**	16mm	•
AIT **56-217**	17mm	•
AIT **56-218**	18mm	•
AIT **56-219**	19mm	•
AIT **56-220**	20mm	•
AIT **56-221**	21mm	•
AIT **56-223**	23mm	•
AIT **56-222**	22mm	•
AIT **56-224**	24mm	•
AIT **29-468**	Vinyl Roll 15 Pockets	•



CHT **CWFP016**



CHT **CW607**



CHT **CW614**

6 PT. 15° ANGLED FULL-POLISH COMBINATION WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* **CW614** 14 Pc. Set w/Roll-Up Pouch	*CHT* **CW613M** 13 Pc. Set w/Roll-Up Pouch	*CHT* **CW608M** 8 Pc. Set w/Storage Rack	*CHT* **CW607** 7 Pc. Set w/Storage Rack
CHT **CWFP008**	1/4"	•			
CHT **CWFP010**	5/16"	•			
CHT **CWFP011**	11/32"	•			
CHT **CWFP012**	3/8"	•			•
CHT **CWFP014**	7/16"	•			•
CHT **CWFP016**	1/2"	•			•
CHT **CWFP018**	9/16"	•			•
CHT **CWFP020**	5/8"	•			•
CHT **CWFP022**	11/16"	•			•
CHT **CWFP024**	3/4"	•			•
CHT **CWFP026**	13/16"	•			
CHT **CWFP028**	7/8"	•			
CHT **CWFP030**	15/16"	•			
CHT **CWFP032**	1"	•			
CHT **CWFP034**	1 1/16"				
CHT **CWFP036**	1 1/8"				
CHT **CWFP038**	1 3/16"				
CHT **CWFP040**	1 1/4"				
CHT **CWFP006M**	6mm				
CHT **CWFP007M**	7mm		•		
CHT **CWFP008M**	8mm		•		
CHT **CWFP009M**	9mm		•		
CHT **CWFP010M**	10mm		•	•	
CHT **CWFP011M**	11mm		•	•	
CHT **CWFP012M**	12mm		•	•	
CHT **CWFP013M**	13mm		•	•	
CHT **CWFP014M**	14mm		•	•	
CHT **CWFP015M**	15mm		•	•	
CHT **CWFP016M**	16mm		•	•	
CHT **CWFP017M**	17mm		•	•	
CHT **CWFP018M**	18mm		•		
CHT **CWFP019M**	19mm		•		
CHT **CWFP020M**	20mm				
CHT **CWFP021M**	21mm				
CHT **CWFP022M**	22mm				
CHT **CWFP023M**	23mm				
CHT **CWFP024M**	24mm				
CHT **CWFP025M**	25mm				
CHT **CWFP026M**	26mm				
CHT **CWFP027M**	27mm				
CHT **CWFP028M**	28mm				
CHT **CWFP029M**	29mm				
CHT **CWFP030M**	30mm				
CHT **CWFP032M**	32mm				

WARNING: Always wear protective eyewear when using hand tools and accessories.

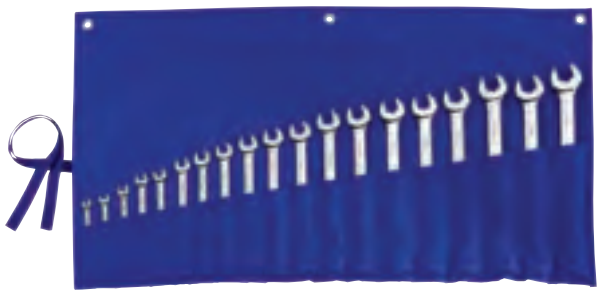
CARLYLE NAPA



CHT **CWFP112**



CHT **CW1211**



CHT **CW1219M**

12 PT. 15° ANGLED FULL-POLISH COMBINATION WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* **CW1219M** 19 Pc. Set w/Roll-Up Pouch	*CHT* **CW1218** 18 Pc. Set w/Roll-Up Pouch	*CHT* **CW1211** 11 Pc. Set w/Storage Rack	*CHT* **CW1211M** 11 Pc. Set w/Storage Rack	*CHT* **CW1207** 7 Pc. Set w/Storage Rack	*CHT* **CW1207M** 7 Pc. Set w/Storage Rack
CHT **CWFP108**	1/4"		•				
CHT **CWFP110**	5/16"		•				
CHT **CWFP111**	11/32"		•				
CHT **CWFP112**	3/8"		•	•		•	
CHT **CWFP114**	7/16"		•	•		•	
CHT **CWFP116**	1/2"		•	•		•	
CHT **CWFP118**	9/16"		•	•		•	
CHT **CWFP120**	5/8"		•	•		•	
CHT **CWFP122**	11/16"		•	•		•	
CHT **CWFP124**	3/4"		•	•		•	
CHT **CWFP126**	13/16"		•	•			
CHT **CWFP128**	7/8"		•	•			
CHT **CWFP130**	15/16"		•	•			
CHT **CWFP132**	1"		•	•			
CHT **CWFP134**	1 1/16"		•				
CHT **CWFP136**	1 1/8"		•				
CHT **CWFP138**	1 3/16"		•				
CHT **CWFP140**	1 1/4"		•				
CHT **CWFP106M**	6mm	•					
CHT **CWFP107M**	7mm	•					•
CHT **CWFP108M**	8mm	•					•
CHT **CWFP109M**	9mm	•			•		•
CHT **CWFP110M**	10mm	•			•		•
CHT **CWFP111M**	11mm	•			•		•
CHT **CWFP112M**	12mm	•			•		•
CHT **CWFP113M**	13mm	•			•		•
CHT **CWFP114M**	14mm	•			•		
CHT **CWFP115M**	15mm	•			•		
CHT **CWFP116M**	16mm	•			•		
CHT **CWFP117M**	17mm	•			•		
CHT **CWFP118M**	18mm	•			•		
CHT **CWFP119M**	19mm	•			•		
CHT **CWFP120M**	20mm	•					
CHT **CWFP121M**	21mm	•					
CHT **CWFP122M**	22mm	•					
CHT **CWFP123M**	23mm	•					
CHT **CWFP124M**	24mm	•					

Larger "Jumbo" wrenches continued on next page.

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA SAE MET



CHT **CWJ1207**

12 PT. 15° ANGLED FULL-POLISH JUMBO COMBINATION WRENCHES & SETS

Item No.	Size	*CHT* CWJ1207 7 Pc. Set w/Storage Clip	*CHT* CWJ1207M 7 Pc. Set w/Storage Clip
CHT **CWFP142**	1 5/16"	•	
CHT **CWFP144**	1 3/8"	•	
CHT **CWFP146**	1 7/16"		
CHT **CWFP148**	1 1/2"	•	
CHT **CWFP150**	1 9/16"		
CHT **CWFP152**	1 5/8"	•	
CHT **CWFP154**	1 11/16"		
CHT **CWFP156**	1 3/4"	•	
CHT **CWFP158**	1 13/16"		
CHT **CWFP160**	1 7/8"	•	
CHT **CWFP164**	2"	•	
CHT **CWFP166**	2 1/16"		
CHT **CWFP168**	2 1/8"		
CHT **CWFP172**	2 1/4"		
CHT **CWFP176**	2 3/8"		
CHT **CWFP180**	2 1/2"		
CHT **CWFP182**	2 7/16"		
CHT **CWFP184**	2 9/16"		
CHT **CWFP125M**	25mm		
CHT **CWFP126M**	26mm		
CHT **CWFP127M**	27mm		
CHT **CWFP128M**	28mm		
CHT **CWFP129M**	29mm		
CHT **CWFP130M**	30mm		
CHT **CWFP132M**	32mm		
CHT **CWFP133M**	33mm		•
CHT **CWFP134M**	34mm		•
CHT **CWFP135M**	35mm		
CHT **CWFP136M**	36mm		•
CHT **CWFP138M**	38mm		
CHT **CWFP140M**	40mm		•
CHT **CWFP141M**	41mm		
CHT **CWFP142M**	42mm		•
CHT **CWFP143M**	43mm		
CHT **CWFP145M**	45mm		
CHT **CWFP146M**	46mm		•
CHT **CWFP148M**	48mm		
CHT **CWFP150M**	50mm		•
CHT **CWFP155M**	55mm		
CHT **CWFP160M**	60mm		
CHT **CWFP165M**	65mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA



CHT **CWFPS118**



CHT **CWFPS118M**



CHT **CWS1212**

12 PT. 15° ANGLED FULL-POLISH STUBBY COMBINATION WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* CWS1212 12 Pc. Set w/Storage Tray	*CHT* CWS1210M 10 Pc. Set w/Storage Tray
CHT **CWFPS110**	5/16"	•	
CHT **CWFPS112**	3/8"	•	
CHT **CWFPS114**	7/16"	•	
CHT **CWFPS116**	1/2"	•	
CHT **CWFPS118**	9/16"	•	
CHT **CWFPS120**	5/8"	•	
CHT **CWFPS122**	11/16"	•	
CHT **CWFPS124**	3/4"	•	
CHT **CWFPS126**	13/16"	•	
CHT **CWFPS128**	7/8"	•	
CHT **CWFPS130**	15/16"	•	
CHT **CWFPS132**	1"	•	
CHT **CWFPS108M**	8mm		
CHT **CWFPS109M**	9mm		
CHT **CWFPS110M**	10mm		•
CHT **CWFPS111M**	11mm		•
CHT **CWFPS112M**	12mm		•
CHT **CWFPS113M**	13mm		•
CHT **CWFPS114M**	14mm		•
CHT **CWFPS115M**	15mm		•
CHT **CWFPS116M**	16mm		•
CHT **CWFPS117M**	17mm		•
CHT **CWFPS118M**	18mm		•
CHT **CWFPS119M**	19mm		•
CHT **CWFPS120M**	20mm		
CHT **CWFPS121M**	21mm		
CHT **CWFPS122M**	22mm		
CHT **CWFPS123M**	23mm		
CHT **CWFPS124M**	24mm		
CHT **CWFPS125M**	25mm		
CHT **CWFPS126M**	26mm		



CHT **SW114**



CHT **SW110M**



CHT **SW1212M**

SAE MET

12 PT. 180° SWIVEL SOCKET WRENCHES & SETS

Item No.	Size	*CHT* SW1212M 12 Pc. Set w/Storage Tray	*CHT* SW1211 11 Pc. Set w/Storage Tray
CHT **SW108**	1/4"		•
CHT **SW110**	5/16"		•
CHT **SW112**	3/8"		•
CHT **SW114**	7/16"		•
CHT **SW116**	1/2"		•
CHT **SW118**	9/16"		•
CHT **SW120**	5/8"		•
CHT **SW122**	11/16"		•
CHT **SW124**	3/4"		•
CHT **SW126**	13/16"		•
CHT **SW128**	7/8"		•
CHT **SW108M**	8mm	•	
CHT **SW109M**	9mm	•	
CHT **SW110M**	10mm	•	
CHT **SW111M**	11mm	•	
CHT **SW112M**	12mm	•	
CHT **SW113M**	13mm	•	
CHT **SW114M**	14mm	•	
CHT **SW115M**	15mm	•	
CHT **SW116M**	16mm	•	
CHT **SW117M**	17mm	•	
CHT **SW118M**	18mm	•	
CHT **SW119M**	19mm	•	

WARNING: Always wear protective eyewear when using hand tools and accessories.

SAE MET



6/12 PT. MIDGET FULL-POLISH COMBINATION WRENCH SETS

- All tools are made in the USA; high-alloy steel
- Midget combination wrenches are designed for precision applications

Size	*AIT* 25-600 10 Pc. Set w/Pouch	*AIT* 52-600 10 Pc. Set w/Pouch
6 Pt.		
5/32"	•	
3/16"	•	
13/64"	•	
4mm		•
4.5mm		•
5mm		•
12 Pt.		
7/32"	•	
15/16"	•	
1/4"	•	
9/32"	•	
5/16"	•	
3/8"	•	
7/16"	•	
5.5mm		•
6mm		•
7 mm		•
8mm		•
9mm		•
10mm		•
11mm		•

ARMSTRONG INDUSTRIAL HAND TOOLS

MADE IN USA



SAE *AIT* **26-282**



AIT **26-043**

FULL-POLISH OPEN END WRENCHES & SET

- Made in the USA — Quality and Availability
- Two different size openings on opposite ends provides broader coverage than a combination wrench, less wrenches to carry
- Open ends are offset 15° for turning a fastener in a 30° Arc
- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or exceeds ASME B107.6-1994 and US Federal Spec. GGG-W-636E

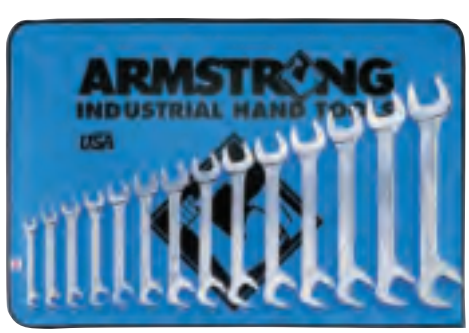
Item No.	Size	*AIT* 26-282 10 Pc. Set w/Vinyl Roll
AIT **26-022**	1/4" x 5/16"	•
AIT **26-043**	3/8" x 7/16"	•
AIT **26-067**	1/2" x 9/16"	•
AIT **26-094**	5/8" x 11/16"	•
AIT **26-121**	3/4" x 13/16"	•
AIT **26-139**	7/8" x 15/16"	•
AIT **26-163**	1" x 1 1/8"	•
AIT **26-169**	1 1/16" x 1 1/4"	•
AIT **26-187**	1 5/16" x 1 1/2"	•
AIT **26-190**	1 3/8" x 1 7/16"	•

FULL-POLISH MINIATURE ANGLE WRENCHES & SET

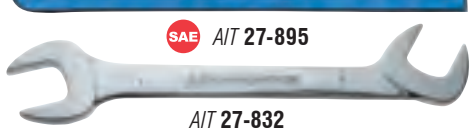
- Made in the USA — Quality and Availability
- With one size opening per wrench, one head is angled 15° and the other is angled 60° or 80° providing four different turning angles for greater access in tight work areas
- Open ends have a radius design for greater strength; especially when compared to a hex open end
- Full polish chrome finish provided smooth edges with high luster
- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meet or exceeds ASME B107.6-1994 and US federal Spec. GGG-W-636E

15°- & 60° ANGLE

Item No.	Size	*AIT* 27-895 14 Pc. Set w/Vinyl Roll
AIT **27-812**	3/8"	•
AIT **27-814**	7/16"	•
AIT **27-816**	1/2"	•
AIT **27-818**	9/16"	•
AIT **27-820**	5/8"	•
AIT **27-822**	11/16"	•
AIT **27-824**	3/4"	•
AIT **27-826**	13/16"	•
AIT **27-828**	7/8"	•
AIT **27-830**	15/16"	•
AIT **27-832**	1"	•
AIT **27-834**	1 1/16"	•
AIT **27-836**	1 1/8"	•
AIT **27-840**	1 1/4"	•



SAE *AIT* **27-895**



AIT **27-832**

15°- & 80° MINIATURE ANGLE WRENCHES & SET

Item No.	Size	*AIT* 27-937 9 Pc. Set w/Vinyl Roll
AIT **27-904**	15/64"	•
AIT **27-907**	7/32"	•
AIT **27-908**	1/4"	•
AIT **27-909**	9/32"	•
AIT **27-910**	5/16"	•
AIT **27-911**	11/32"	•
AIT **27-912**	3/8"	•
AIT **27-914**	7/16"	•
AIT **27-916**	1/2"	•


AIT **27-916**

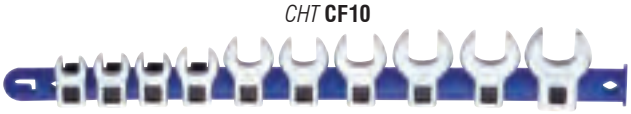


SAE *AIT* **27-937**

CARLYLE NAPA


CHT **CF3812**


CHT **CF10**


CHT **CF10M**

3/8 IN. DR. CROWSFOOT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* CF10 10 Pc. Set w/Storage Rail	*CHT* CF10M 10 Pc. Set w/Storage Rail
CHT **CF3812**	3/8"	•	
CHT **CF3814**	7/16"	•	
CHT **CF3816**	1/2"	•	
CHT **CF3818**	9/16"	•	
CHT **CF3820**	5/8"	•	
CHT **CF3822**	11/16"	•	
CHT **CF3824**	3/4"	•	
CHT **CF3826**	13/16"	•	
CHT **CF3828**	7/8"	•	
CHT **CF3832**	1"	•	
CHT **CF3810M**	10mm		•
CHT **CF3811M**	11mm		•
CHT **CF3812M**	12mm		•
CHT **CF3813M**	13mm		•
CHT **CF3814M**	14mm		•
CHT **CF3815M**	15mm		•
CHT **CF3816M**	16mm		•
CHT **CF3817M**	17mm		•
CHT **CF3818M**	18mm		•
CHT **CF3819M**	19mm		•
CHT **CF3821M**	21mm		
CHT **CF3822M**	22mm		

CARLYLE NAPA


CHT **FNCF3816**


CHT **FNCF11**


CHT **FNCF10M**

3/8 IN. DR. 6 PT. FLARENUT CROWSFOOT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* FNCF11 11 Pc. Set w/Storage Rail	*CHT* FNCF10M 10 Pc. Set w/Storage Rail
CHT **FNCF3812**	3/8"	•	
CHT **FNCF3814**	7/16"	•	
CHT **FNCF3816**	1/2"	•	
CHT **FNCF3818**	9/16"	•	
CHT **FNCF3820**	5/8"	•	
CHT **FNCF3822**	11/16"	•	
CHT **FNCF3824**	3/4"	•	
CHT **FNCF3826**	13/16"	•	
CHT **FNCF3828**	7/8"	•	
CHT **FNCF3830**	15/16"	•	
CHT **FNCF3832**	1"	•	
CHT **FNCF3810M**	10mm		•
CHT **FNCF3811M**	11mm		•
CHT **FNCF3812M**	12mm		•
CHT **FNCF3813M**	13mm		•
CHT **FNCF3814M**	14mm		•
CHT **FNCF3815M**	15mm		•
CHT **FNCF3816M**	16mm		•
CHT **FNCF3817M**	17mm		•
CHT **FNCF3818M**	18mm		•
CHT **FNCF3819M**	19mm		•

CROWSFOOT WRENCHES & SETS

- Made in the USA — Quality and Availability
- Crowfoot wrenches provide access to hard-to-reach fasteners and fitting by attaching them to a drive tool
- Flare nut crow foot wrenches are used to grip hard to reach fittings in a closed system such as hydraulic lines, fuel lines, or air line applications
- Full polish chrome finish provided smooth edges with high luster
- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meet or exceeds ASME B107.6-2005 and US federal Spec. GGG-E-1507B



SAE *AIT* **15-405**

3/8 IN. DR. CROWSFOOT WRENCHES & SETS

Item No.	Size	*AIT* 15-405 9 Pc. Set w/Socket Bar
AIT **11-850**	3/8"	•
AIT **11-851**	7/16"	•
AIT **11-852**	1/2"	•
AIT **11-853**	9/16"	•
AIT **11-854**	5/8"	•
AIT **11-855**	11/16"	•
AIT **11-856**	3/4"	•
AIT **11-857**	13/16"	•
AIT **11-858**	7/8"	•



SAE *AIT* **15-595**

1/2 IN. DR. CROWSFOOT WRENCHES & SET

Item No.	Size	*AIT* 15-595 7 Pc. Set
AIT **12-866**	17/16"	•
AIT **12-861**	11/16"	•
AIT **12-859**	15/16"	•
AIT **12-860**	1"	•
AIT **12-862**	1 1/8"	•
AIT **12-863**	1 1/4"	•
AIT **12-867**	1 1/2"	•
AIT **16-835**	17" Socket Rail Steel	•
AIT **16-845**	1/2" Drive Socket Clips Steel	•



SAE *AIT* **15-415**

FLARENUT CROWSFOOT WRENCHES & SET

Item No.	Size	*AIT* 15-415 8 Pc. Set w/Socket Bar
AIT **11-842**	5/8"	•
AIT **11-843**	11/16"	•
AIT **11-844**	3/4"	•
AIT **11-845**	13/16"	•
AIT **11-846**	7/8"	•
AIT **11-847**	15/16"	•
AIT **11-848**	1"	•
AIT **11-849**	1 1/16"	•

3/8 IN. DR. DELUXE CROWSFOOT WRENCH SETS

SAE MET

Polished for corrosion resistance and long life.

Size	*BK* 774-0125 8 Pc. Set	*BK* 774-0126 10 Pc. Set
3/8"	•	
7/16"	•	
1/2"	•	
9/16"	•	
5/8"	•	
11/16"	•	
3/4"	•	
7/8"	•	
10mm		•
11mm		•
12mm		•
13mm		•
14mm		•
15mm		•
16mm		•
17mm		•
18mm		•
19mm		•

EVERCRAFT



BK **774-0125**



BK **774-0126**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA



CHT **FNW810**



CHT **FNW1012M**



CHT **FNW5M**

6 PT. 15° OFF-SET FLARENUT WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* FNW5 5 Pc. Set w/Storage Rack	*CHT* FNW5M 5 Pc. Set w/Storage Rack
CHT **FNW810**	1/4" x 5/16"	•	
CHT **FNW1214**	3/8" x 7/16"	•	
CHT **FNW1618**	1/2" x 9/16"	•	
CHT **FNW2022**	5/8" x 11/16"	•	
CHT **FNW2428**	3/4" x 7/8"	•	
CHT **FNW911M**	9mm x 11mm		•
CHT **FNW1012M**	10mm x 12mm		•
CHT **FNW1314M**	13mm x 14mm		•
CHT **FNW1517M**	15mm x 17mm		•
CHT **FNW1618M**	16mm x 18mm		•
CHT **FNW1921M**	19mm x 21mm		

EVERCRAFT



BK **774-2501**



BK **774-2504**



BK **774-0215**

6 PT. FLARENUT WRENCHES & SETS

SAE MET

Item No.	Size	*BK* 774-0215 3 Pc. Set w/Storage Rack	*BK* 774-0216 3 Pc. Set w/Storage Rack
BK **774-2501**	3/8" x 7/16"	•	
BK **774-2502**	1/2" x 9/16"	•	
BK **774-2503**	5/8" x 11/16"	•	
BK **774-2504**	9 x 11mm		•
BK **774-2505**	10 x 12mm		•
BK **774-2506**	13 x 14mm.		•

CARLYLE NAPA



CHT **HMWS5**

CHT **HMW1012**

CHT **HMW1012M**

12 PT. HALF MOON WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* HMWS5 5 Pc. Set w/Storage Tray	*CHT* HMWS5M 5 Pc. Set w/Storage Tray
CHT **HMW1012**	5/16" x 3/8"		
CHT **HMW1416**	7/16" x 1/2"	•	
CHT **HMW1820**	9/16" x 5/8"	•	
CHT **HMW2024**	5/8" x 3/4"	•	
CHT **HMW2226**	11/16" x 13/16"	•	
CHT **HMW2830**	7/8" x 15/16"	•	
CHT **HMW1012M**	10mm x 12mm		•
CHT **HMW1113M**	11mm x 13mm		•
CHT **HMW1417M**	14mm x 17mm		•
CHT **HMW1519M**	15mm x 19mm		•
CHT **HMW1821M**	18mm x 21mm		•

CARLYLE NAPA



CHT **LBOW1214**

CHT **LBOW1214M**



CHT **LBOW6**

12 PT. 45° OFF-SET LONG BOX END WRENCHES & SETS

SAE MET

Item No.	Size	*CHT* LBOW6 6 Pc. Set w/Storage Rack	*CHT* LBOW5M 5 Pc. Set w/Storage Rack
CHT **LBOW810**	1/4" x 5/16"	•	
CHT **LBOW1214**	3/8" x 7/16"	•	
CHT **LBOW1618**	1/2" x 9/16"	•	
CHT **LBOW2022**	5/8" x 11/16"	•	
CHT **LBOW2428**	3/4" x 7/8"	•	
CHT **LBOW2630**	13/16" x 15/16"	•	
CHT **LBOW1011M**	10mm x 11mm		•
CHT **LBOW1214M**	12mm x 14mm		•
CHT **LBOW1315M**	13mm x 15mm		•
CHT **LBOW1618M**	16mm x 18mm		•
CHT **LBOW1719M**	17mm x 19mm		•
CHT **LBOW2021M**	20mm x 21mm		
CHT **LBOW2224M**	22mm x 24mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.



CHT **LBW810**



CHT **LBW1213M**



SAE MET

CHT **LBW6**

12 PT. 15° OFF-SET LONG BOX END WRENCHES & SETS

Item No.	Size	*CHT* LBW6 6 Pc. Set w/Storage Rack	*CHT* LBW5M 5 Pc. Set w/Storage Rack
CHT **LBW810**	1/4" x 5/16"	•	
CHT **LBW1214**	3/8" x 7/16"	•	
CHT **LBW1618**	1/2" x 9/16"	•	
CHT **LBW2022**	5/8" x 11/16"	•	
CHT **LBW2428**	3/4" x 7/8"	•	
CHT **LBW2630**	13/16" x 15/16"	•	
CHT **LBW3032**	15/16" x 1"		
CHT **LBW89M**	8mm x 9mm		
CHT **LBW1011M**	10mm x 11mm		•
CHT **LBW1213M**	12mm x 13mm		•
CHT **LBW1415M**	14mm x 15mm		•
CHT **LBW1618M**	16mm x 18mm		•
CHT **LBW1719M**	17mm x 19mm		•
CHT **LBW2022M**	20mm x 22mm		
CHT **LBW2123M**	21mm x 23mm		
CHT **LBW2426M**	24mm x 26mm		
CHT **LBW2528M**	25mm x 28mm		
CHT **LBW2730M**	27mm x 30mm		

CARLYLE by NAPA



CHT **LDBZW1416**



CHT **LDBZW1417M**

SAE MET

CHT **LDBZW5S**



12 PT. 0° OFF-SET DOUBLE BOX END WRENCHES & SETS

Item No.	Size	*CHT* LDBZW5S 5 Pc. Set w/Storage Rack	*CHT* LDBZW4 4 Pc. Set w/Storage Rack
CHT **LDBZW1012**	5/16" x 3/8"		•
CHT **LDBZW1416**	7/16" x 1/2"		•
CHT **LDBZW1820**	9/16" x 5/8"		•
CHT **LDBZW2224**	11/16" x 3/4"		•
CHT **LDBZW2426**	13/16" x 7/8"		
CHT **LDBZW810M**	8 x 10mm	•	
CHT **LDBZW1012M**	10 x 1mm		
CHT **LDBZW1113M**	11 x 13mm		
CHT **LDBZW1214M**	12 x 14mm	•	
CHT **LDBZW1314M**	13 x 14mm		
CHT **LDBZW1315M**	13 x 15mm		
CHT **LDBZW1417M**	14 x 17mm		
CHT **LDBZW1618M**	16 x 18mm	•	
CHT **LDBZW1719M**	17 x19mm	•	
CHT **LDBZW1921M**	19 x 21mm		
CHT **LDBZW1922M**	19 x 22mm		
CHT **LDBZW2022M**	20 x 22mm		
CHT **LDBZW2123M**	21 x 23mm		
CHT **LDBZW2224M**	22 x 24mm	•	

12 PT. BOX END STRIKING WRENCHES

Wrenches for applications that require striking to free or tighten fasteners. Typically used in mining, oil, gas and ship maintenance.

Item No.	Size
SAE	
CHT **BESW134**	1 1/16"
CHT **BESW136**	1 1/8"
CHT **BESW140**	1 1/4"
CHT **BESW144**	1 3/8"
CHT **BESW146**	1 7/16"
CHT **BESW148**	1 1/2"
CHT **BESW152**	1 5/8"
CHT **BESW156**	1 3/4"
CHT **BESW158**	1 13/16"
CHT **BESW160**	1 7/8"
CHT **BESW164**	2"
CHT **BESW166**	2 1/16"
CHT **BESW168**	2 1/8"
CHT **BESW170**	2 3/16"
CHT **BESW172**	2 1/4"
CHT **BESW176**	2 3/8"
CHT **BESW180**	2 1/2"
CHT **BESW182**	2 9/16"
CHT **BESW184**	2 5/8"
CHT **BESW186**	2 3/4"
CHT **BESW192**	2 15/16"
CHT **BESW194**	3"



SAE MET

CHT **BESW134**

Item No.	Size
METRIC	
CHT **BESW22M**	22mm
CHT **BESW24M**	24mm
CHT **BESW27M**	27mm
CHT **BESW30M**	30mm
CHT **BESW32M**	32mm
CHT **BESW34M**	34mm
CHT **BESW36M**	36mm
CHT **BESW38M**	38mm
CHT **BESW41M**	41mm
CHT **BESW42M**	42mm
CHT **BESW46M**	46mm
CHT **BESW50M**	50mm
CHT **BESW55M**	55mm
CHT **BESW60M**	60mm
CHT **BESW65M**	65mm
CHT **BESW70M**	70mm
CHT **BESW75M**	75mm



CHT **OESW22M** MET

OPEN END STRIKING WRENCHES

Wrenches for applications that require striking to free or tighten fasteners. Typically used in mining, oil, gas and ship maintenance.

Item No.	Size
CHT **OESW22M**	22mm
CHT **OESW24M**	24mm
CHT **OESW27M**	27mm
CHT **OESW30M**	30mm
CHT **OESW32M**	32mm
CHT **OESW34M**	34mm
CHT **OESW36M**	36mm
CHT **OESW38M**	38mm
CHT **OESW41M**	41mm

Item No.	Size
CHT **OESW42M**	42mm
CHT **OESW46M**	46mm
CHT **OESW50M**	50mm
CHT **OESW55M**	55mm
CHT **OESW60M**	60mm
CHT **OESW65M**	65mm
CHT **OESW70M**	70mm
CHT **OESW75M**	75mm

WARNING: Always wear protective eyewear when using hand tools and accessories.

ARMSTRONG INDUSTRIAL HAND TOOLS
MADE IN USA
LIFETIME WARRANTY



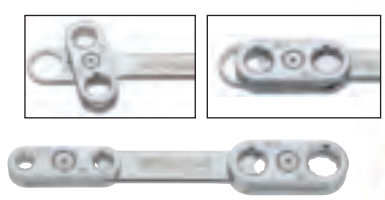
ADJUSTABLE HOOK SPANNER WRENCHES & SET

SAE

- Incorporates one adjustable hook which is designed to adjust threaded collars, locknuts, rings and packing nuts in industrial applications.
- Manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat for greater strength and durability
- Meets or exceeds US Federal Spec. GGG-W-665B
- Made in the USA - quality and availability

Item No.	Size	*AIT* 34-376 4 Pc. Set
AIT **34-301**	3/4" - 2"	•
AIT **34-307**	2" - 4 3/4"	•
AIT **34-310**	4 1/2" - 6 1/4"	•
AIT **34-305**	1 1/4" - 3"	•

Ken-Tool
WHEREVER TIRES ARE CHANGED™



SAE *SPC* **35775**



MET *SPC* **35776**



8-IN-1 WRENCH

Eight of the most popular wrench sizes in one strong, professional, compact and convenient tool!

- Designed by a professional auto technician for versatility, convenience and strength!
- Wrench engagement requires minimal clearance around the fastener!
- "Stud-Thru" design allows long threaded studs and fasteners to pass through the wrench opening!
- "12 Point" design requires only 30 degree swing arc re-engagement for close proximity work!
- Backed with Limited Lifetime Warranty
- 7 1/2" slim profile that is easy to carry and store
- SAE sizes: 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- Metric sizes: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm
- Automotive, maintenance, farm equipment, DIY, home projects, sporting/recreational, all engine repair, electrical, plumbing, HVAC, bikes, motorcycles, furniture assembly
- Sold in a convenient 6 piece merchandising display, 5" W x 6" D x 8" H
- Meets 150% ANSI specifications

Item No.	Description	Weight
SPC **35775**	SAE 8-In-1 Wrench*	.55 lbs (.25 kg)
SPC **35776**	Metric 8-In-1 Wrench*	.55 lbs (.25 kg)

**** Standard Pack of 6 - Shipped in Countertop Display***

3 PC. DR. ADAPTER SET

LIFETIME WARRANTY GEARWRENCH
MET

- Socket adapter converts ratcheting wrench to ratchet

APX **9230**



Contents

Item No.	Description
APX **9207**	Converts 10mm Ratcheting Wrench to 1/4" Dr. Tang
APX **9208**	Converts 13mm Ratcheting Wrench to 3/8" Dr. Tang
APX **9209**	Converts 19mm Ratcheting Wrench to 1/2" Dr. Tang

3 PC. DR. ADAPTER SET

LIFETIME WARRANTY GEARWRENCH
SAE

- Socket adapter converts ratcheting wrench to ratchet

APX **9231**



Contents

Item No.	Description
APX **9217**	Converts 3/8" Ratcheting Wrench to 1/4" Dr. Tang
APX **9218**	Converts 1/2" Ratcheting Wrench to 3/8" Dr. Tang
APX **9219**	Converts 3/4" Ratcheting Wrench to 1/2" Dr. Tang

GEARWRENCH LIFETIME WARRANTY

2 PC. ACCESS BIT ADAPTER SET

- Converts a 1/2" ratcheting wrench to a ratcheting bit driver
- For use with 1/4" and 5/16" bits

APX **9535**



GEARWRENCH LIFETIME WARRANTY

PASS-THRU QUICK-RELEASE ADAPTERS

- Adapter adds push button quick release feature

APX **231061GR** 1/4" Dr Tang
APX **231062GR** 3/8" Dr Tang



APX **231061GR**



CHT **AW24**

CARLYLE NAPA

INDUSTRIAL PATENTED ADJUSTABLE WRENCHES



CHT **AW10**



CHT **AW6**



CHT **AW4**

- Strong, precisely knurled adjuster with subtle chamfering for easier turning and no sharp edges
- Non-protruding movable jaw end and thin upper head for use in tight spaces
- Made with CR-V steel for maximum power and dependability
- Laser etched size index on tool's side for quick identification, SAE and Metric
- Ergonomic grip handle is 60% thicker than regular wrenches for better functionality

Item No.	Length	Jaw Opening
CHT **AW4**	4"	5/8"
CHT **AW6**	6"	15/16"
CHT **AW8**	8"	1 1/8"
CHT **AW10**	10"	1 3/8"
CHT **AW12**	12"	1 1/2"
CHT **AW15**	15"	1 7/8"
CHT **AW18**	18"	2 5/16
CHT **AW24**	24"	2 3/4"

IRWIN VISE-GRIP

ADJUSTABLE WRENCHES



VG **2078610**

- Inch and metric scales
- Extra-wide jaw capacity

Item No.	Description	Size	Jaw Length
VG **2078606**	6" Adjustable Wrench	6/150mm	1"
VG **2078608**	8" Adjustable Wrench	8/200mm	1 1/8"
VG **2078610**	10" Adjustable Wrench	10/250mm	1 1/4"
VG **2078612**	12" Adjustable Wrench	12/300mm	1 1/2"

IRWIN

ADJUSTABLE WRENCH



- Durable chrome vanadium construction
- ProTouch™ grips provide extra comfort and reduces hand fatigue
- English and metric scales
- Extra wide capacity
- Hang hole for easy wall storage
- Meets or exceeds ANSI specifications

VG **1913311**

EVERCRAFT

ADJUSTABLE WRENCHES

Evercraft® adjustable wrenches are heat-treated and constructed of forged steel for added life. Meet and exceed U.S. Federal standards for strength and performance. Full Lifetime Guarantee.

Item No.	Length
BK **774-4004**	4"
BK **774-4006**	6"
BK **774-4008**	8"
BK **774-4010**	10"
BK **774-4012**	12"
BK **774-4015**	15"
BK **774-4018**	18"
BK **774-4024**	24"



OTC

1/2 IN. ADJUSTABLE GLAND NUT WRENCH



Fully adjustable to fit hydraulic cylinders on vehicles with 1 to 3 3/4" diameter gland nuts. Reverses to fit either 1/4- or 7/32" pinholes. Use with 1/2-inch square drive to loosen the toughest gland nuts.

BK **700-1983**

OTC

3/4 IN. ADJUSTABLE GLAND NUT WRENCH



Heavy-duty wrench designed to fit hydraulic cylinders on many farm and construction vehicles. Adjusts to fit gland nuts from two to six inches in diameter (pin-to-pin). Reverses to fit 1/4 - or 5/16" diameter pinholes. Features a 3/4" square drive for tackling the most stubborn gland nuts.

BK **700-1982**

IRWIN VISE-GRIP



QUICK-ADJUSTING PIPE WRENCH

- One-handed operation enhances user's speed and convenience
- 40% lighter than standard 14" cast iron pipe wrenches
- Ratchets quickly to work surface
- Smooth release upon job completion
- Broached teeth are ideal for most surfaces including black, galvanized, PVC and copper pipe, as well as nuts, bolts and couplings

VG **274001SM**

NAPA HAND TOOLS

STEEL 9 PT. PIPE WRENCHES

Heavy-duty wrenches feature heat-treated handles and CR-V jaws. Precision-milled for positive pipe grip. Limited-Lifetime Warranty.

Item No.	Length
BK **77-1008**	8"
BK **77-1010**	10"
BK **77-1012**	12"
BK **77-1014**	14"
BK **77-1018**	18"
BK **77-1024**	24"



NAPA HAND TOOLS

ALUMINUM PIPE WRENCHES

Nearly 40% lighter than comparable cast-iron models of the same size.

Item No.	Length
BK **77-1110**	10"
BK **77-1114**	14"
BK **77-1118**	18"
BK **77-1124**	24"
BK **77-1136**	36"
BK **77-1148**	48"





SERRATED WRENCHES

Install and remove 12-point (triple square) metric socket-head screws by turning with a socket or wrench. They are made from heat-treated alloy steel.

Item No.	Size	Hex Size	Length
SER **2304**	8mm	5/16"	3"
SER **2305**	10mm	1/2"	3 1/4"
SER **2306**	12mm	1/2"	3 3/4"

IRWIN VISE-GRIP



8 PC. GROOVELOCK/PRO PLIERS SET IN KIT BAG

This 8 pc. master set includes the three most popular GrooveLock Quick Adjusting Pliers (8", 10", 12") and most popular assortment of Pro Pliers: Diagonal-Cutting Pliers, Slip-Joint Pliers, Long-Nose Pliers, Lineman's Pliers, & Adjustable Wrench. Set great for all kinds of jobs!

VG **2078712**

Contents

Item No.	Description
VG **2078112**	12" GrooveLock
VG **2078110**	10" GrooveLock
VG **2078108**	8" GrooveLock
VG **2078610**	10" Adjustable Wrench
VG **2078208**	8" Lineman's Pliers
VG **2078218**	8" Long Nose Pliers
VG **2078406**	6" Slip Joint Pliers
VG **2078306**	6" Diagonal Cutting Pliers



3 PC. GROOVELOCK PLIERS SET IN KIT BAG

- **Quick Adjustment**
  - Press-N-Slide button quickly adjusts lower jaw (50% faster)
- **All Purpose Jaw**
  - Grips onto round, square, hex or flat surfaces and provides tremendous bite
- **Anti-Pinch Design**
  - Built in handle stop prevents pinching ones hands
- **ProTouch™ Grips**
  - Molded handles for comfort and improved grip

VG **2078711**

Contents

Item No.	Description
VG **2078108**	8"/200 mm Jaw Capacity 1¾"
VG **2078110**	10"/250 mm Jaw Capacity 2¼"
VG **2078112**	12"/300 mm Jaw Capacity 2¾"

3 PC. GROOVELOCK TRAY SET



- **Quick Adjustment** - Press-N-Slide button quickly adjusts lower jaw (50% faster)
- **All Purpose Jaw** - Grips onto round, square, hex or flat surfaces and provides tremendous bite
- **Anti-Pinch Design** - Built in handle stop prevents pinching ones hands
- **ProTouch™ Grips** - Molded handles for comfort and improved grip

VG **2078710**

Contents

Item No.	Description
VG **2078108**	8"/200 mm Jaw Capacity 1¾"
VG **2078110**	10"/250 mm Jaw Capacity 2¼"
VG **2078112**	12"/300 mm Jaw Capacity 2¾"

2 PC. GROOVELOCK PLIERS CLAMSHELL SET



- **Quick Adjustment** - Press-N-Slide button quickly adjusts lower jaw (50% faster)
- **All Purpose Jaw** - Grips onto round, square, hex or flat surfaces and provides tremendous bite
- **Anti-Pinch Design** - Built in handle stop prevents pinching ones hands
- **ProTouch™ Grips** - Molded handles for comfort and improved grip

VG **2078709**

Contents

Item No.	Description
VG **2078108**	8" GrooveLock
VG **2078110**	10" GrooveLock

IRWIN VISE-GRIP

4 PC. PRO PLIERS TRAY SET



This 4 pc. tray set brings together some of the most popular Vise-Grip® Pro Pliers. The set is packaged in a durable molded plastic tray designed to slide easily into the drawer of a toolbox! Perfect for home or shop, these professional Pro Pliers come with soft comfort grips.

VG **2078707**

Contents

Item No.	Description
VG **2078306**	6" Diagonal Cutting Pliers
VG **2078218**	8" Long Nose Pliers
VG **2078406**	6" Slip Joint Pliers
VG **2078510**	10" Groove Joint Pliers

CARLYLE® PLIERS

The Carlyle Professional Pliers Program is a direct reflection of what the name on the tool stands for: the highest design standards, superior production processes, dependability, and the technician's choice for getting the job done correctly the first time, every time. Our groove joint, slip joint, cutting, diagonal, duck bill, long nose, linesmen, end cutting, and fencing pliers feature chrome moly (CR-MO) steel capable of taking on the toughest applications, and comfort non-slip grips for added security when in use.

Crosshatch Jaw Design
The cross cut pattern featured on Carlyle pliers provides extraordinary gripping force with minimal hand pressure.



Hardened Jaws & Cutting Surfaces
Made with CR-MO steel for maximum power and dependability, hardened jaws and cutting edges for strength and durability, and a clear coat finish for exceptional rust prevention.

One-Piece Rivet Head Design
Carlyle pliers feature precise induction-hardened rivets for ultra smooth operation and long life.

www.carlyletools.com/products/pliers



4 PC. PLIERS SET

CHT **PSA4**

Contents

Item No.	Description
CHT **SJP8**	8" Slip Joint
CHT **GJP10**	10" Groove Joint
CHT **DCPHD7**	7" HD Diagonal Cut
CHT **LNP8**	8" Long Nose



3 PC. PLIERS SET

CHT **PSA3**

Contents

Item No.	Description
CHT **GJP10**	10" Groove Joint
CHT **DCPHD7**	7" HD Diagonal Cut
CHT **LNP8**	8" Long Nose

3 PC. UNIVERSAL PLIERS SET

Perfect starter set for professional mechanics. Get the job done with three of the most popular products. Includes 8 high-leverage diagonal cutter (cuts hard wire up to 1/8"), 8" long nose pliers with cutter (cuts medium-hard wire up to 1/8" and hard wire up to 3/32") and 10" water pump pliers (grips up to 2").

BK **002008US2**





2 PC. 10 IN. DIAGONAL CUTTER AND 10 IN. COBRA WATER PUMP PLIERS WITH KEEPER POUCH

Two of the KNIPEX best sellers are combined in this set with an additional free KNIPEX pouch for safe keeping of your quality tools. The 10" Cobra Water Pump Pliers is an indispensable gripping machine. Ease of use is key with a built in pinch guard and push button adjustment that makes work more efficient. This tool is light in the hand with a weight of just 11 oz., but still is capable of high load capacity due to it's design. The 10" High Leverage Diagonal Cutter outperforms conventional cutters of the same length due to its forged-on axle causing a 20% reduction in required hand force. Steel nails are no problem for this tool, with its large jaw opening and induction hardened blades it will cut almost anything you can fit between the jaws. Once you're finished using your tools for the day, store them away in your branded KNIPEX KEEPER made out of hard-wearing polyester fabric that will hold up to your toughest demands.

BK **9K0080115US**

EVERCRAFT™ PLIERS

- Material — Carbon Steel
- Finish — Chrome Plated
- Heat treated cutting edges
- Comfort grip injection molded handles

EVERCRAFT™

6 PC. PLIER SET

BK **774-0300**



Contents

Item No.	Description
BK **774-3016**	6" Slip Joint
BK **774-3017**	8" Slip Joint
BK **774-3018**	7" Linesman
BK **774-3210**	10" Groove Joint
BK **774-3216**	6" Diagonal Cut
BK **774-3317**	6½" Long Nose

EVERCRAFT™

4 PC. PLIER SET

BK **774-0301**



Contents

Item No.	Description
BK **774-3016**	6" Slip Joint
BK **774-3210**	10" Groove Joint
BK **774-3216**	6" Diagonal Cut
BK **774-3317**	6½" Long Nose

IRWIN VISE-GRIP



VG **2078112**



VG **2078110**



VG **2078108**

GROOVELOCK PLIERS

- **Quick Adjustment** - Press-N-Slide button quickly adjusts lower jaw (50% faster)
- **All Purpose Jaw** - Grips onto round, square, hex or flat surfaces and provides tremendous bite
- **Anti-Pinch Design** - Built in handle stop prevents pinching ones hands
- **ProTouch™ Grips** - Molded handles for comfort and improved grip

Item No.	Description
VG **4935351**	6"/150mm V-GrooveLock Pliers
VG **2078108**	8"/200 mm Jaw Capacity 1¾"
VG **2078110**	10"/250 mm Jaw Capacity 2¼"
VG **2078112**	12"/300 mm Jaw Capacity 2¾"

IRWIN VISE-GRIP



VG **4935096**

STRAIGHT JAW GROOVELOCK PLIERS

- Expansion of current GrooveLock range into straight jaw
- Consumer preferred straight jaw works on flat, hex and square
- ProTouch™ grips provide comfort and control
- Press and slide button quickly adjusts lower jaw
- Anti-pinch design prevents handles from pinching
- Multi groove ratcheting system for twice the groove positions of the traditional groove joint pliers

VG **4935095** 8" Straight Jaw GrooveLock Plier
VG **4935096** 10" Straight Jaw GrooveLock Plier
VG **4935098** 12" Straight Jaw GrooveLock Plier

IRWIN VISE-GRIP



VG **4935097**

SMOOTH JAW GROOVELOCK PLIERS

- Expansion of current GrooveLock range into straight jaw
- Specialty smooth jaw works on plated fixtures and vulnerable surfaces
- ProTouch™ grips provide comfort and control
- Press and slide button quickly adjusts lower jaw
- Anti-pinch design prevents handles from pinching
- Multi groove ratcheting system for twice the groove positions of the traditional groove joint pliers

VG **4935097** 10" Smooth Jaw GrooveLock Plier
VG **4935099** 12" Smooth Jaw GrooveLock Plier

IRWIN VISE-GRIP



VG **2078510**

GROOVE JOINT PLIERS

Right angle teeth grip in all directions for maximum bite.

Item No.	Size in/mm	Capacity	Jaw Positions	Jaw Size	Pipe Nut Size
VG **2078506**	6"/150mm	1"	4	1"	30mm (1.18)
VG **2078508**	8"/200mm	1½"	5	1"	30mm (1.18)
VG **2078510**	10"/250mm	2"	7	2"	50mm (1.96)
VG **2078512**	12"/300mm	2¼"	7	2½"	60mm (2.36)

IRWIN VISE-GRIP



VG **4935321**

STRAIGHT JAW GROOVE JOINT PLIERS

- Consumer preferred straight jaw works on flat, hex and square
- ProTouch™ grips provide comfort and control

VG **4935318** 6" Straight Jaw Groove Joint Plier
VG **4935321** 10" Straight Jaw Groove Joint Plier
VG **4935322** 12" Straight Jaw Groove Joint Plier

IRWIN VISE-GRIP



SMOOTH JAW GROOVE JOINT PLIERS

VG **4935319**

- Specialty smooth jaw works on plated fixtures and vulnerable surfaces
- ProTouch™ grips provide comfort and control

VG **4935317** 6" Groove Joint Smooth Jaw Plier
VG **4935319** 8" Groove Joint Smooth Jaw Plier
VG **4935323** 12" Groove Joint Smooth Jaw Plier

CARLYLE NAPA



GROOVE JOINT PLIERS & SET

Item No.	Length	*CHT* **PSGJ3** 3 Pc. Set w/Tray
CHT **GJP5**	5"	•
CHT **GJP7**	7"	
CHT **GJP10**	10"	•
CHT **GJP12**	12"	•
CHT **GJP16**	16"	

KNIPEX



PLIERS WRENCHES

Pliers are adjustable tightening tool, excellent for gripping, holding, pressing and bending applications. Replaces full set of inch and metric open-end wrenches. Smooth jaws for careful installation of plated fittings. Zero backlash jaw surface pressure prevents damage to edges of sensitive components. Adjustment at the touch of a button directly on the work piece. Parallel jaws allows infinite variable gripping of all widths to the maximum size. Reliable catching of the hinge bolt - no unintentional shifting. Action of the jaws allows bolted connections to be tightened and released quickly using the ratchet principle. The lever transmission is greater than 10:1 for strong gripping power. Smooth jaws grip all parallel surfaces in the capacity range with a high degree of pressure if necessary and open up almost unlimited application possibilities for the pliers wrench. Can be used for tightening locknuts, exerting pressure to activate the adhesive power of contact adhesives, edge breaking in tile work, snapping cable ties, utilization as a small vice. Nickel-plated chrome vanadium electric steel, forged, oil-hardened. Handle grips are plastic coated.

Item No.	Size
BK **8603180SBA**	7"
BK **8603250SBA**	10"

KNIPEX



3 PC. COBRA WATER PUMP PLIERS SET

Water pump pliers set includes three of the most popular Cobra pliers, sizes 7", 10" and 12". Push-button adjustment directly on the work piece - adjust once and it stays. Gripping capacities from 1½" to 2¾". Range adjustment positions from 18 – 30.

BK **002006US1**

KNIPEX



COBRA WATER PUMP PLIERS

Pliers are adjustment at the touch of a button directly on the work piece. They have fine adjustment for optimum adaptation to different size work pieces and a comfortable gripping position. Pliers are self-locking on pipes and nuts - no slipping on the work piece and low hand force. Have gripping surfaces with special hardened teeth, teeth hardness approximately 61 HRC. Low wear and reliable gripping. Box-joint design - high stability because of double guide. Reliable catching of the hinge bolt - no unintentional shifting. Pinch guard prevents operator's fingers from being pinched. No more time-consuming test adjusting of the correct opening size. Position the upper jaw to the work piece, push button and move close the lower jaw, ingeniously simple. Gray atramentized chrome vanadium electric steel, forged, oil hardened. Hand grip is plastic coated.

Item No.	Size
BK **8701125SBA**	5"
BK **8701180SBA**	7"
BK **8701250SBA**	10"
BK **8701300SBA**	12"
BK **8701400SBA**	16"
BK **8701560**	22"

KNIPEX



ALLIGATOR WATER PUMP PLIERS & SET

More output and comfort compared to conventional water pump pliers of the same length - offers nine adjustment positioning for 30% more gripping capacity. They are good access to the work piece due to slim size in the head and joint area. Pliers are self-locking on pipes and nuts - no slipping on the work piece and low hand force required. Gripping surfaces with special hardened teeth, teeth hardness approximately 61 HRC - low wear and reliable gripping. Box-joint design - high stability because of double guide. Robust construction - particularly suitable for outdoor work. Pinch guard prevents operator's fingers from being pinched. Black atramentized chrome vanadium electric steel, forged, oil-hardened. Hand grips are plastic coated.

Item No.	Size	*BK* **002007US1 3 Pc. Set**
BK **8801180SBA**	7"	•
BK **8801250SBA**	10"	•
BK **8801300SBA**	12"	•

KNIPEX



10 IN. SPRING HOSE CLAMP PLIERS

Features rotating and universal grip inserts for reliably gripping the clamps in all positions. Extremely good leverage which allows clamps to be opened easily without great effort. Quick-set adjustment adjusts by shifting directly onto the workpiece. Slim head design, narrow head width, rotating grip inserts make this an ideal tool, especially in confined areas. Can be used for standard, space-saving, spring wire hose clamps and for spring band clamps up to 70mm nominal size. Maximum jaw opening of 80mm allows more than 40mm clamping range. Made from Chrome Vanadium electric steel, forged and oil hardened.

BK **8551250ASBA**

EVERCRAFT

10 IN. GROOVE JOINT PLIERS

BK **774-3210**



IRWIN VISE-GRIP

SLIP JOINT PLIERS

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.



VG **2078408**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness
VG **2078406**	6"/150mm	1 1/8"	1 5/32"	7/16"
VG **2078408**	8"/200mm	1 5/16"	1 11/32"	7/16"

CARLYLE NAPA

SLIP JOINT PLIERS & SET



Item No.	Description	*CHT* **PSSJ3** 3 Pc. Set w/Tray
CHT **SJP6**	6" Crosshatch Jaw Design	•
CHT **SJP8**	8" Crosshatch Jaw Design	•
CHT **SJP10**	10" Crosshatch Jaw Design	•
CHT **SJPNG6**	6" Without Grip	
CHT **SJPNG8**	8" Without Grip	

EVERCRAFT

8 IN. SLIP JOINT PLIERS



Item No.	Size
BK **774-3016**	6" Length
BK **774-3018**	8" Length

IRWIN VISE-GRIP

LINESMAN PLIERS

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.



VG **2078208**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078208**	8"/200mm	1 15/32"	1 3/16"	9/16"	YES
VG **2088209**	9.5"/240mm	1 9/16"	1 1/4"	5/8"	YES

CARLYLE NAPA

LINESMAN PLIERS

Item No.	Size
CHT **LP7**	7" Length
CHT **LP8**	8" Length



EVERCRAFT

7 IN. LINESMAN PLIERS

BK **774-3017**



IRWIN VISE-GRIP

DIAGONAL-CUTTING PLIERS

Induction hardened cutting edge stays sharp longer.



VG **2078306**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078306**	6"/150mm	13/16"	27/32"	13/32"	YES
VG **2078307**	7"/175mm	13/16"	1 5/32"	1/2"	YES
VG **2078308**	8"/200mm	7/8"	1 1/8"	3/32"	YES

CARLYLE NAPA

DIAGONAL-CUTTING PLIERS

Item No.	Description
CHT **DCP5**	5"
CHT **DCP6**	6"
CHT **DCP75**	7 1/2"
CHT **DCPHD7**	7" HD
CHT **DCPB8**	8" Bent
CHT **DCP11**	11" Long Reach



EVERCRAFT

6-1/2 IN. DIAGONAL PLIERS

BK **774-3216**



KNIPEX



ANGLED HIGH-LEVERAGE DIAGONAL CUTTER

High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio. Precision cutting edges cut several types of wire including piano wire. Suitable for copper and aluminum conductors. Chrome-plated vanadium heavy-duty steel, forged, oil-hardened. The cutting edge hardness is approximately 64 HRC. 20% Reduction in required force compared to conventional diagonal cutters of the same length. Forged-on joint axle. Handle grip is plastic coated.

Item No.	Size
BK **7421200SBA**	8"
BK **7421250SBA**	10"

IRWIN VISE-GRIP

CABLE CUTTING PLIERS

Cuts up to 3/0 fine standard copper battery cable. Cuts copper & aluminum.



VG **2078328**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078328**	8"/200mm	13/16"	1 1/4"	19/32"	YES

CARLYLE NAPA

8 IN. CABLE CUTTING PLIERS



CHT **CCP8**

IRWIN VISE-GRIP

END CUTTING PLIERS

Wide throat clearance allows flush cutting of nails and rivets. Induction hardened cutting edge stays sharp longer.



VG **2078318**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078318**	8"/200mm	1/2"	1 21/32"	1 1/8"	YES

CARLYLE NAPA

6 IN. END CUTTING PLIERS



CHT **ECP6**

CARLYLE NAPA

6 IN. ANGLE PLASTIC CUTTING PLIERS

Flush cuts zip ties.



CHT **PCP6**

IRWIN VISE-GRIP

LONG-NOSE PLIERS

Induction hardened cutting edge stays sharp longer. Machined jaws for maximum gripping strength.



VG **2078216**

Item No.	Size in./mm	Jaw Length	Jaw Width	Jaw Thickness	Wire Cutter
VG **2078216**	6"/150mm	1 25/32"	23/32"	7/16"	YES
VG **2078218**	8"/200mm	2 5/16"	1 5/16"	1 5/32"	YES

CARLYLE NAPA

LONG-NOSE PLIERS



CHT **LNP55**

Item No.	Length
CHT **LNP55**	5 1/2"
CHT **LNP65**	6 1/2"
CHT **LNP8**	8"
CHT **LNPB6**	6" Curved



CHT **LNPB6**

KNIPEX



8 IN. LONG-NOSE PLIERS WITH CUTTER

Pliers have distortion-tolerant, elastic precision tips. Half-round, long pointed jaws. Hardened cutting edges for soft, medium-hard and hard wire. Hardness approximately 61 HRC. Handle grips are plastic coated.

BK **2611200SBA**

EVERCRAFT



BK **774-3317**

LONG-NOSE PLIERS

Item No.	Size
BK **774-3317**	6 1/2"
BK **774-3206**	6" Curved



BK **774-3206**



CARLYLE NAPA

11 IN. LONG-NOSE PLIERS & SET

Item No.	Description	*CHT* PSLN3 3 Pc. Set
CHT **LNP11**	Straight	•
CHT **LNP11B45**	45°	•
CHT **LNP11B90**	90°	•



CHT **LNP11B90**

CHT **LNP11B45**

EVERCRAFT



11 IN. LONG-NOSE PLIERS

BK **774-3430**

EVERCRAFT



BK **774-3432**

11 IN. BENT-NOSE PLIERS

Long-nose design is ideal for working in tight, difficult areas. Cushioned handles for an easy, comfortable grip.

Item No.	Size
BK **774-3432**	15°
BK **774-3431**	90°



BK **774-3431**

EVERCRAFT



11 IN. OFFSET PLIERS
BK **774-3433**

CARLYLE NAPA



CHT **P910**

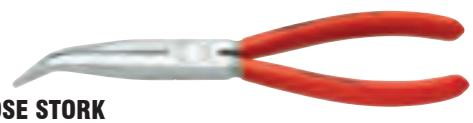
15-3/4 IN. LONG-NOSE PLIERS & SET

Item No.	Length	*CHT* P900 2 Pc. Set
CHT **P910**	Straight	•
CHT **P911**	45°	•



CHT **P911**

KNIPEX



8 IN. SNIPE NOSE STORK BEAK SIDE CUTTING PLIERS
Features Half-round, long, pointed jaws, elastic tips and dimensionally stable even when twisted. Distortion tolerant, elastic precision tips. Cutting edges have approximately 61 HRC hardness for soft, medium-hard and hard wire. Made of Vanadium electric steel, forged and oil-hardened. 20% reduction in required force compared to conventional diagonal cutters of the same length. Forged-on joint axle.

BK **2621200SBA**

KNIPEX



HIGH-LEVERAGE DIAGONAL CUTTERS & SET
For very tough, continuous use. High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio. Precision cutting edges cut several types of wire including piano wire. Cutters are suitable for copper and aluminum conductors. Black atramentized chrome vanadium heavy-duty steel, forged, oil hardened. Cutting edge hardness of approximately 64 HRC. 20% reduction in required force compared to conventional diagonal cutters of the same length. Forced-on joint axle. Handle grips are plastic coated.

Item No.	Size	*BK* 002005US 3 Pc. Set
BK **7401160SBA**	6¼"	•
BK **7401200SBA**	8"	•
BK **7401250SBA**	10"	•

KNIPEX



10 IN. HIGH-LEVERAGE CENTER CUTTER PLIERS
Designed with integrated forged axle for heaviest use. With precision cutting edges for soft, hard and piano wire. Cuts thick wires with less effort than diagonal cutters of the same length. High cutting performance with minimum effort due to optimum coordination of the cutting edge angle and transmission ratio. Cutting edges are in the center of the cutting head with additionally induction hardened and cutting edge hardness approx. 64 HRC. Made of Chrome Vanadium heavy-duty steel and forged and oil-hardened.

BK **7491250SBA**

KNIPEX



8 IN. CABLE SHEARS PLIERS WITH TWIN CUTTING EDGE
Great for cutting copper and aluminum cables. Not suitable for steel wire and hard drawn copper conductors. Precision ground hardened blades that clean and smooth cut without crushing or deformation. Dividing the cutting actions into initial cut (insulation sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to 20mm can be cut in one-hand operation. Less effort required due to favorable lever ratio and optimized cutting-edge geometry. Guard prevents operators' fingers being pinched. Adjustable bolted joint, self-retaining screw. HIgh-grade special tool made from steel, forged and oil hardened. Twin cutting edge allows a comfortable handle position in all cutting situations within the specified cutting capacity.

BK **9511200SBA**

KNIPEX



8 IN. LEVER-ACTION MINI BOLT CUTTER
Induction hardened edges cut hard, soft and piano wire. Cuts material like bolts, nails and rivets up to 5.2 mm dia. Exceptional cutting performance with minimum effort because of new lever action design. Cutting edge hardness of approximately 64 HRC. Black atramentized, heavy-duty steel, forged and oil hardened. 60% less effort required compared to conventional high-leverage diagonal cutters. Ingenious lever-action mechanism ensures extremely favorable lever ratio with very little friction. The cutting force is about 20 times higher than the hand force applied. Chrome vanadium.

BK **7101200SBA**

CARLYLE NAPA



10-1/2 IN. FENCING PLIERS
CHT **FP10** 10½"

CARLYLE NAPA



DUCK BILL WIRING PLIERS
CHT **DBP8** 8"

CARLYLE NAPA



11 IN. HOSE GRIPPING PLIERS & SET

Item No.	Description	*CHT* PSHG3 3 Pc. Set w/ Tray
CHT **HGP11H-10**	5/16" Hose	•
CHT **HGP11H-16**	1/2" Hose	•
CHT **HGP11H-24**	3/4" Hose	•

ARMSTRONG INDUSTRIAL HAND TOOLS



WIRETWISTER PLIERS

Wiretwister Pliers are essential tools for safety-wiring fasteners in engines, gearboxes or any assembly where fasteners cannot be permitted to "backout", and/or when it is critical that precise torque is maintained. Cutting knives are specially heat treated to ease cutting of stainless steel wire, and diamond-pattern serrations on jaws grip wire securely.



AIT **68-199**



AIT **68-175**



AIT **68-177**

6 PC. WIRETWISTER PLIERS SET

Approximate Weight: 3.32 lbs.

AIT **68-199**

Contents

Description	Size
3 Wiretwister Pliers	6" Diagonal Nose 9" Auto Right Hand 19" Deep Reach
3 Stainless Steel Safety Wire Spools	0.020" 0.032" 0.041"

Fitted, Blow-Molded Plastic Case

WIRETWISTER PLIERS - OPEN STOCK

Item No.	Description
AIT **68-163**	For wire sizes .020 to .041 Total length 8.375"
AIT **68-171**	For wire sizes .020 to .060 Total length 10.5"
AIT **68-175**	For wire sizes .020 to .060 Total length 10.5"
AIT **68-178**	For wire sizes .020 to .060 Total length 12.0"
AIT **68-191**	For wire sizes .020 to .041 Total length 19.0"
AIT **68-177**	6" Diagonal Nose, Reversible Twist .041" wire capacity
AIT **68-179**	9" Diagonal Nose, Reversible Twist .060" wire capacity

CARLYLE NAPA



CHT **ISJP6**



CHT **ILNP6**



CHT **IDCP6**

6 IN. INSULATED PLIERS & SET

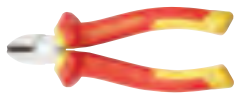
1,000 Volt AC or 1,500 Volt DC certified to IEC60900. Ergonomic handle design for superior comfort during use. Comes packaged in a plastic holder. Lifetime Warranty.

Item No.	Description	*CHT* **IPS4** 4 Pc. Set w/Tray
CHT **ISJP6**	Combination	•
CHT **ILNP6**	Long Nose	•
CHT **IDCP6**	Diagonal Cutting	•
CHT **IWSP6**	Wire Stripping	•

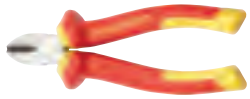


CHT **IWSP6**

IRWIN VISE-GRIP



VG **10505865NA**



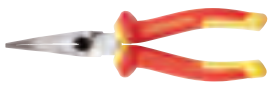
VG **10505866NA**



VG **10505867NA**



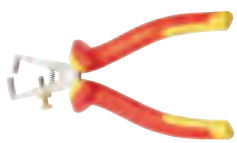
VG **10505868NA**



VG **10505870NA**



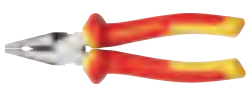
VG **10505869NA**



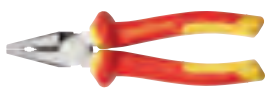
VG **10505871NA**



VG **10505872NA**



VG **10505873NA**



VG **10505874NA**



VG **10507529NA**



VG **10505519NA**

INSULATED CUTTING PLIERS

- Pliers display International Code for 1000V rated tools
- Red & yellow handles denote International Color for Safety
- ProTouch™ grips provide comfort and control
- Hardened cutting teeth
- Insulated pliers grips offer 3 layers of protection

Item No.	Description
VG **10505865NA**	6" Insulated Diagonal Cutter - Standard
VG **10505866NA**	7" Insulated High Leverage Diagonal Cutter
VG **10505867NA**	8" Insulated High Leverage Diagonal Cutter
VG **10505868NA**	6" Insulated Long Nose - Standard
VG **10505869NA**	8" Insulated Long Nose - HL
VG **10505870NA**	8" Insulated Bent Nose - HL
VG **10505871NA**	6" Insulated Wire Stripper
VG **10505872NA**	6" Insulated Combination - Standard
VG **10505873NA**	7" Insulated Combination - HL
VG **10505874NA**	8" Insulated Combination - HL
VG **10507529NA**	8" Insulated Lineman's Pliers
VG **10505519NA**	3 Pc. Insulated Set Contains One Each: 6" Diagonal, 7" Combination and 8" Long Nose

CARLYLE NAPA

WIRE STRIPPING, CRIMPING & CUTTING PLIERS



Crimps and strips 12-20 AWG insulated and non-insulated wire. Two cut areas allow flexibility.

CHT **WSCCP** 6¾" L

CARLYLE NAPA



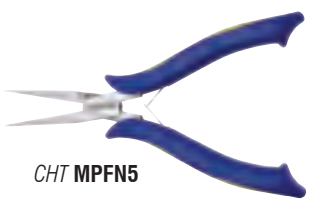
CHT **MPDC5**



CHT **MPLN5**



CHT **MPEC5**



CHT **MPFN5**

MINI PLIERS & SET

Item No.	Description	*CHT* PSM4 4 Pc. Set w/ Tray
CHT **MPDC5**	4½" Diagonal	•
CHT **MPLN5**	5½" Long Nose	•
CHT **MPEC5**	4½" End Cut	•
CHT **MPFN5**	5½" Flat Nose	•

NAPA ServiceTools



MINI CUTTER, STRIPPERS, CRIMPERS & SET

Everything you need for easy and stable cutting, stripping and crimping in tight places.

Item No.	Description	*SER* 3794 3 Pc. Set w/ Vinyl Pouch
SER **3794-71**	Mini Cutter	•
SER **3794-72**	Mini Stripper	•
SER **3794-73**	Mini Crimper	•

NAPA ServiceTools

ELECTRICAL WIRE STRIPPER & CRIMPER

This all-purpose electrical tool includes a pliers-type nose, crimper, wire cutter, stripper and bolt cutter. The nose has a serrated jaw to pull, loop and twist wire. The crimper works on 7 and 8mm non-insulated terminals and electrical 22-20 to 22-10 insulated terminals. Wire cutters and strippers at the front strip have wire sizes 22-20 and 22-10. The bolt cutter works on bolt sizes 4-40, 5-40, 6-32, 8-32, 10-32 and 10-24. The tool features comfortable cushion-grip handles.

SER **2162**



NAPA ServiceTools

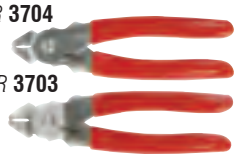
2 PC. HOG RING PLIERS & SET

Used for upholstery work on most all Domestic and Foreign cars.

- For installation of "Hog Ring" fasteners
- Specially made to grip and mold Hog Rings for closure.
- Spring loaded to hold hog ring in jaws during use.
- Cushion Grip Handle.

SER **3704**

SER **3703**





Item No.	Description	*SER* 3702 2 Pc. Set
SER **3703**	Straight Hog Ring Pliers	•
SER **3704**	45° Hog Ring Pliers	•

NAPA ServiceTools



LARGE 16 IN. RETAINING RING PLIERS

Plastic coated handles for better grip. Spring ratchet locking mechanism securely holds against snap ring tension. Straight Tip: 12".

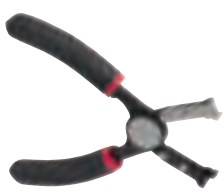
Item No.	Description
SER **1485**	Internal. Snap Ring Size 3 1/16" - 6¼" (78 - 159mm)
SER **1486**	External. Snap Ring Size 3½" - 6½" (89 - 165mm)

NAPA ServiceTools

MASTER LINK CLIP TOOL

Designed specifically for roller-style chains with specialized tips to easily remove and install master link clips. Includes comfort grip handles.

SER **4745**



NAPA ServiceTools



SER **3888**





SER **3729**



SER **3705**

BODY CLIP PLIERS & SET

Specially designed for removal of push-pins with center locking pin. Quickly removes plastic anchors that have center pins without damage to pins or anchor. Tool lifts the center pin and pulls anchor in one simple set. Anchors common on Honda, Toyota, GM, Ford, Chrysler and many other lade model vehicles. Couble cushion grip handle. Patent Pending. V-Shape pliers for removing standard clips without center pins. Features comfort grip handle.

Item No.	Description	*SER* 41850 3 Pc. Set
SER **3729**	30° Push-Pin Pliers	•
SER **3888**	80° Push-Pin Pliers	•
SER **3705**	V-Shape Panel Clip Pliers	•

2 PC. CRESCENT® COMPOUND ACTION PLIERS SET

- 9" ProSeries Diagonal and Linesman Compound Action Pliers
- Co-molded grips for added comfort
- Compound leverage design that increases cutting power by 50%
- Chrome vanadium steel for added durability and 1/3 lighter than standard pliers to reduce fatigue
- Heat-treated joint rivet for smooth and consistent operation

APX **PSCA2SET**



COMPOUND ACTION PLIERS

- Co-molded grips for added comfort
- Compound leverage design that increases cutting power by 50%
- Chrome vanadium steel for increased durability
- Heat treated joint rivet for smooth and consistent operation
- Induction hardened edges for long cutting life
- 1/3 lighter than standard pliers, reduces fatigue



APX **PS20509C**

APX **PS6549C**

APX **PS5429C**

Item No.	Description
APX **PS20509C**	9" Linesman Compound Action Plier
APX **PS6549C**	9" Long Nose Compound Action Plier
APX **PS5429C**	9" Diagonal Compound Action Plier

BODY CLIP PLIERS

- These specially designed and patented pliers will remove any clip found on trim, bumpers, etc.
- Steel levers enclosed in PMS plastic, prevents scratches
- Tips have a special angle and size that make them the most versatile tool in the clip removal category
- No need to buy 3 sets of trim clip pliers for different applications. This one does it all.
- These clips are found on almost every vehicle, inside and out.
- Patented

SER **55**



PANEL CLIP PLIERS



These recessed body clip pliers are designed with the ability to remove push-pins and body clips from bumpers and other areas of the vehicle that are recessed or have limited access. Features a long reach with specially designed ends that help pop the clip off without having to twist or pry, damaging the existing clip. Handles are made of glass-filled nylon to prevent scratches. Works on almost any body clip.

SER **56**

EVERCRAFT™

8 IN. DOOR HANDLE PLIERS



Removes door handles, window clips and windshield moldings on most import and domestic cars. Offset handle permits easy access.

BK **776-9036**

SNAP-RING PLIERS UP TO 1 IN. DIAMETER RINGS

Includes five pairs of color-coded precision-group tips and Allen wrench in convenient storage pouch.

Contents

Qty.	Description
2	0.024" red tips
2	0.038" yellow tips
2	0.038" yellow 90° tips
2	0.047" green tips
2	0.047" green 90° tips



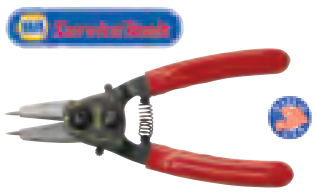
Item No.	Description
SER **3150**	For Up to 1.0" diameter rings
SER **3150-77**	Replacement Tip Kit includes: (2).036 straight, (2) .036 90°, (2) 0.47 straight, (2).047 90°, (2).070 straight

SNAP-RING PLIERS UP TO 2 IN. DIAMETER RINGS

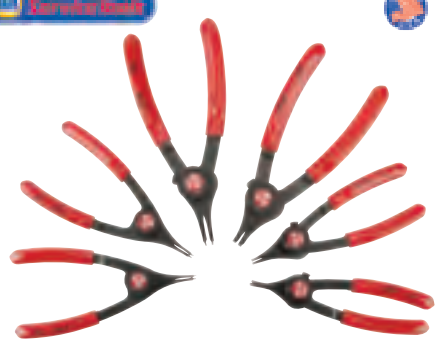
Includes five pairs of color-coded precision-group tips and Allen wrench in convenient storage pouch.

Contents

Qty.	Description
2	0.038" red tips
2	0.038" yellow tips
2	0.047" green tips
2	0.047" green 90° tips
2	0.070" copper tips



Item No.	Description
SER **3151**	For Up to 2.0" diameter rings
SER **3151-77**	Replacement Tip Kit includes: (2).023 straight, (2) .036 straight,(2) 0.36 90°, (2).047 straight, (2).047 90°



CONVERT FROM EXTERNAL TO INTERNAL



Takes about 1 second!

1. Compress handles slightly.
2. Depress shift button.
3. Turn Knob.

CAM-LOCK™ CONVERTIBLE SNAP-RING PLIERS & SET

Exclusive patented design allows quick change from internal or external ring applications. Simply push button on knob and rotate pivot. Fits internal and external rings from 1/4" to 2". Features three popular tip diameters (0.038", 0.047", 0.070") in 18° or 90° angled tips. Cushioned grip handles for comfort. Kits include custom molded impact resistant storage case.

Item No.	Tip Angle	Tip Diameter	Type Internal	Type External	*SER* **3859** 5 Pc. Set w/ Case
SER **3851**	18°	.038	X	X	
SER **3853**	18°	.038	X	X	•
SER **3855**	18°	.047	X	X	•
SER **3856**	90°	.047	X	X	•
SER **3857**	18°	.070	X	X	•
SER **3858**	90°	.070	X	X	•

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

KNIPEX





Internal



External

PRECISION SNAP-RING PLIERS & SET

Contains common precision Circlip pliers for highest requirements. Contains: Internal and External sizes #1 and #2.

Item No.	Description	*BK* 002003SB 4 Pc. Set
BK **4811J1SBA**	5½" Internal Size #1	•
BK **4811J2SBA**	7" Internal Size #2	•
BK **4811J3SBA**	9" Internal Size #3	
BK **4911A1SBA**	5½" External Size #1	•
BK **4911A2SBA**	7" External Size #2	•
BK **4911A3SBA**	9" External Size #3	

NAPA ServiceTools



8 PC. SNAP-RING PLIERS SET

Designed for internal or external snap rings. Thumbscrew permits quick conversion. Made of heavy-gauge tempered steel. Includes two stainless steel handled picks. Comes in a blow-molded plastic storage case.

SER **4512X**

NAPA Service Tools



SER **3483**



SER **3485**



SER **3484**

FIXED TIP COMBINATION SNAP-RING PLIERS & SETS

These versatile, heavy duty pliers are designed for the removal and installation of either internal or external snap-rings on a wide range of applications. Pliers feature a cushion plastisol-dipped dipped handle and are designed for heavy duty use.

Item No.	Description	*SER* 3495 12 Pc. Set w/Case	*SER* 3497 6 Pc. Set w/Case
SER **3483**	.038" tip, Straight tip angle	•	•
SER **3484**	.038" tip, 45° tip angle	•	
SER **3485**	.038" tip, 90° tip angle	•	•
SER **3486**	.047" tip, Straight tip angle	•	•
SER **3487**	.047" tip, 45° tip angle	•	
SER **3488**	.047" tip, 90° tip angle	•	•
SER **3489**	.070" tip, Straight tip angle	•	•
SER **3490**	.070" tip, 45° tip angle	•	
SER **3491**	.070" tip, 90° tip angle	•	•
SER **3492**	.090" tip, Straight tip angle	•	
SER **3493**	.090" tip, 45° tip angle	•	
SER **3494**	.090" tip, 90° tip angle	•	

6-1/2 IN. CONVERTIBLE SNAP-RING PLIERS

IRWIN VISE-GRIP

- One pair replaces two for internal and external use
- Includes (4) interchangeable tips for ease in moving from one project to the next



VG **2078900**

EVERCRAFT

SNAP-RING PLIER SET

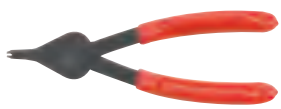
Internal and external Snap Ring pliers. Includes straight, 90-degree, and 45-degree tips.



BK **776-9169**

NAPA Service Tools

COMBINATION SNAP-RING PLIERS



Remove and install internal and external snap-rings. Pliers are designed for heavy-duty use. Tips spread up to 1.25". Tip diameter: 0.070".

SER **1715**

OTC

SNAP-RING PLIERS



Internal, straight-tip pliers. Length: 16".

BK **819-6015**

ANGLE TIP LOCK RING PLIERS

EVERCRAFT



Remove and install lock rings without holes. Knurled jaws to hold rings securely. Jaw spread: ¾". Drop serrated for multiple applications.

BK **776-9254**

NAPA Service Tools



HEAVY-DUTY COMBINATION SNAP-RING PLIERS

Remove and install heavy-duty internal snap-rings from 2 7/16" to 3½" in diameter and external snap rings from 1½" to 4" in diameter. Pliers include three pairs of interchangeable points sizes: 0.108″ diameter, 15° angle; 0.108" diameter, 45° angle and 0.123" diameter, 45° angle. Points lock securely into the jaws. Screw-type design maintains jaw position during use. Overall length without tips: 9½". Hex stock size of tips: .156".

Item No.	Description
SER **2012**	Heavy-Duty Combination Snap-Ring Pliers
SER **447**	Replacement Point Set
SER **448**	Replacement Point Set

NAPA Service Tools



MINI COMBINATION SNAP-RING PLIERS

Tool removes and installs internal and external snap rings. Its small size allows for use in hard-to-reach areas. Pliers feature comfortable, Plastisol-dipped handles. Tips spread up to 0.75". Tip diameter: 0.038".

SER **3451**

INTERNAL SNAP-RING PLIERS SET



Remove and install internal snap-rings 3/8 to 1 3/4" in diameter. Set includes five pairs of interchangeable points in the following sizes: 0.039" diameter, 15° angle; 0.047" diameter, 15° angle; 0.074" diameter, 15° angle; 0.039" diameter, 45° angle and 0.047" diameter, 90° angle. Use *SER* **447** and *SER* **448** point sets with these pliers.

Item No.	Description
SER **445**	Internal Snap-Ring Pliers Set
SER **447**	Replacement Point Set
SER **448**	Replacement Point Set

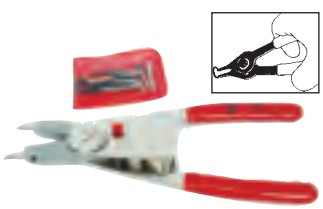
EXTERNAL SNAP-RING PLIERS SET



Remove and install external snap-rings 1/4" to 1 7/16" in diameter. Set includes five pairs of interchangeable points in the following sizes: 0.039" diameter. 15° angle; 0.047" diameter, 15° angle; 0.074" diameter, 15° angle; 0.039" diameter, 45° angle and 0.047" diameter, 90° angle. Use *SER* **447** and *SER* **448** point sets with these pliers.

Item No.	Description
SER **446**	External Snap-Ring Pliers Set
SER **447**	Replacement Point Set
SER **448**	Replacement Point Set

EXTRA-LARGE CONVERTIBLE INTERNAL/ EXTERNAL SNAP-RING PLIERS

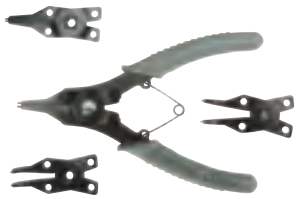


Easily convert for either external or internal use on snap rings. Unique push-button feature allows for effortless change. Tool comes with heavy-duty cushion-grip handles to provide comfort and broached jaws for tip control and stability. Use on large internal and external snap rings including automatic transmissions. Pliers fit internal rings 1 13/16" through 4" (46 through 101.6mm) and external rings 1 1/2" through 4" (38.1 through 101.6mm). Pliers feature ratchet lock to hold the snap ring in desired position and includes six pairs of color-coded alloy steel tips in sizes 0.090, 0.108 and 0.120 bent to 15° and 90°. Hex stock size of tips .156".

Item No.	Description
SER **3152**	Extra-Large Convertible Internal/External Snap Ring Pliers
SER **3152-77**	Replacement Point Kit (includes 2 each of 6 different sizes: 0.090 15°, 0.090 90°, 0.108 15°, 0.108 90°, 0.120 15° and 0.120 90°)

EVERCRAFT

CONVERTIBLE-TIP SNAP-RING PLIERS SET



Combination internal/external pliers with an effective range of 10-50mm. Includes three convertible tips (45-, 90- and 180-degree). Jaws are easily exchanged to create six internal/external combinations.

BK **776-3445**

EVERCRAFT

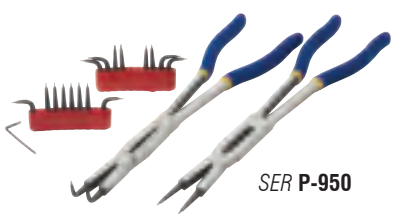
4 PC. MINI SNAP-RING PLIERS SET



Small design is ideal for working in confined areas, while vinyl grips offer improved control. Perfect for servicing s- and r-ring clips (internal and external, straight or angled). All pliers have 0.038" (1mm) tips. Includes two internal (one straight, one 45°) and two external (one straight, one 45°) snap-ring pliers. Made of CR-MO alloy steel.

BK **776-9090**

DOUBLE X INTERNAL/ EXTERNAL SNAP-RING PLIERS



SER **P-950**

- Double X jaws open greater distance than the handle for added reach in tight locations.
- Corrosion resistant alloy steel.
- Dual-dipped handles

Item No.	Description
SER **P-951**	Internal Snap-Ring Pliers Includes: .038 straight, .038 90°, .047 straight, .047 90° and .070 straight tip pairs in plastic caddy and 2mm hex key.
SER **P-952**	External Snap-Ring Pliers. Includes: .038 straight, .038 90°, .047 straight, .047 90° and .070 straight tip pairs in plastic caddy and 2mm hex key.
SER **P-950**	2 Pc. Internal/External Snap-Ring Pliers Set. Includes both *SER* **P-951** and *SER* **P-952** Snap Ring Pliers

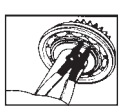
E-RING INSTALLER & REMOVAL KIT



- Holds E-Rings in position for both installation and removal
- Performs installation and removal on "E" ring sizes 6, 7, 8, and 9mm clips

SER **3953**

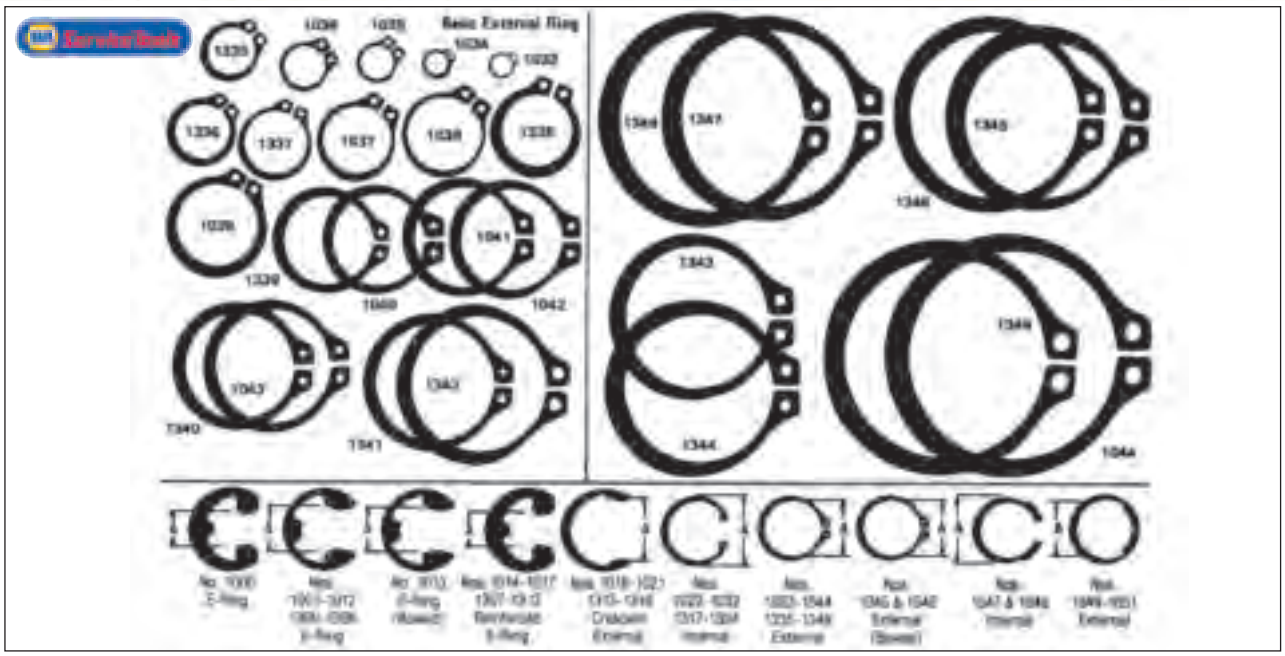
LOCK-RING PLIERS





Remove and install snap-rings without holes used on brakes, transmissions, pedal and clutch shafts. Scored jaws hold rings securely.

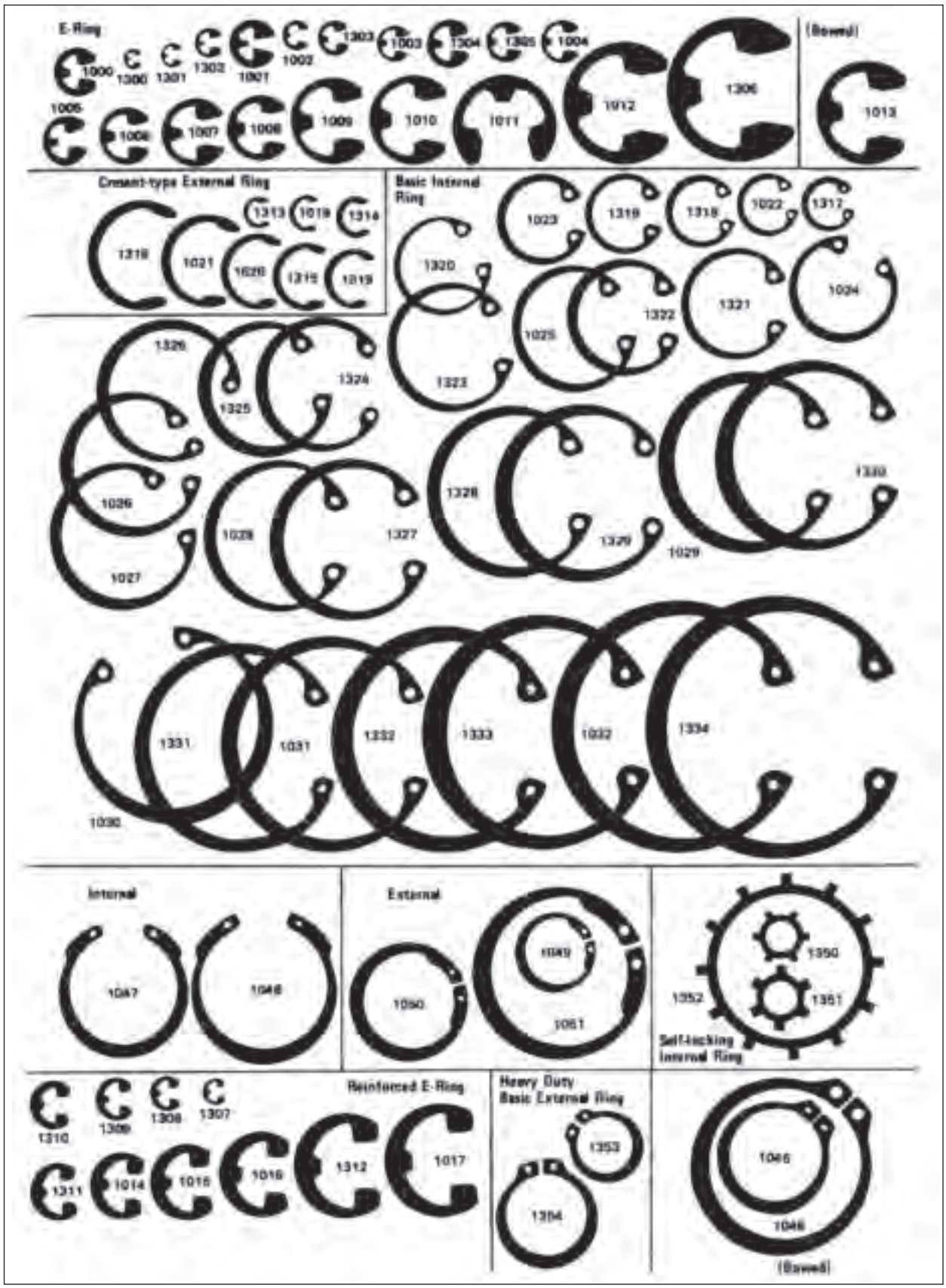
SER **2534**



SNAP-RINGS

Not shown in actual size. Please refer to chart below for actual size & dimension information.

Item No.	Shaft Diameter	Housing Diameter	Free Diameter (A)
SER 1001	7/64"	—	0.076"
SER 1002	1/8"	—	0.094"
SER 1003	5/32"	—	0.114"
SER 1004	3/16"	—	0.145"
SER 1005	3/16"	—	0.122"
SER 1006	7/32"	—	0.185"
SER 1007	1/4"	—	0.207"
SER 1008	5/16"	—	0.243"
SER 1009	3/8"	—	0.300"
SER 1010	7/16"	—	0.337"
SER 1011	1/2"	—	0.392"
SER 1012	5/8"	—	0.480"
SER 1013	1/2"	—	0.392"
SER 1014	1/4"	—	0.204"
SER 1015	5/16"	—	0.242"
SER 1016	3/8"	—	0.292"
SER 1017	9/16"	—	0.430"
SER 1018	7/32"	—	0.188"
SER 1019	3/8"	—	0.328"
SER 1020	1/2"	—	0.441"
SER 1021	5/8"	—	0.553"
SER 1022	—	7/16"	0.482"
SER 1023	—	5/8"	0.694"
SER 1024	—	3/4"	0.831"
SER 1025	—	7/8"	0.971"
SER 1026	—	1"	1.111"
SER 1027	—	1.023"	1.136"
SER 1028	—	1 1/16"	1.180"
SER 1029	—	1 1/4"	1.388"
SER 1030	—	1 3/8"	1.526"
SER 1031	—	1 1/2"	1.660"
SER 1032	—	1 3/4"	1.941"
SER 1033	5/32"	—	0.142"
SER 1034	3/16"	—	0.168"
SER 1035	1/4"	—	0.225"
SER 1036	5/16"	—	0.281"
SER 1037	1/2"	—	0.461"
SER 1038	0.551"	—	0.509"
SER 1039	5/8"	—	0.579"
SER 1040	11/16"	—	0.635"
SER 1041	3/4"	—	0.693"
SER 1042	25/32"	—	0.722"
SER 1043	27/32"	—	0.780"
SER 1044	1 9/16"	—	1.446"
SER 1045	25/32"	—	0.722"
SER 1046	1 1/4"	—	1.156"
SER 1047	—	1"	1.081"
SER 1048	—	1 1/8"	1.217"
SER 1049	1/2"	—	0.461"
SER 1050	3/4"	—	0.693"
SER 1051	1 1/8"	—	1.041"
SER 1300	0.062"	—	0.051"
SER 1301	0.093"	—	0.073"
SER 1302	0.093"	—	0.069"
SER 1303	0.140"	—	0.102"
SER 1304	0.187"	—	0.122"
SER 1305	0.171"	—	0.125"
SER 1306	0.750"	—	0.574"
SER 1307	0.093"	—	0.072"
SER 1308	0.125"	—	0.093"
SER 1309	0.156"	—	0.113"
SER 1310	0.187"	—	0.143"
SER 1311	0.219"	—	0.182"
SER 1312	0.500"	—	0.385"
SER 1313	0.187"	—	0.161"
SER 1314	0.250"	—	0.211"
SER 1315	0.437"	—	0.386"
SER 1316	0.750"	—	0.665"
SER 1317	—	0.375"	0.415"
SER 1318	—	0.512"	0.560"
SER 1319	—	0.562"	0.620"
SER 1320	—	0.688"	0.763"
SER 1321	—	0.777"	0.859"
SER 1322	—	0.812"	0.901"
SER 1323	—	0.901"	1.000"
SER 1324	—	0.920"	1.020"
SER 1325	—	0.938"	1.041"
SER 1326	—	0.970"	1.100"
SER 1328	—	1.181"	1.319"
SER 1327	—	1.25"	1.249"
SER 1330	—	1.312"	1.456"
SER 1329	—	1.318"	1.344"
SER 1331	—	1.438"	1.596"
SER 1332	—	1.562"	1.734"
SER 1333	—	1.625"	1.804
SER 1334	—	1.812"	2.012"
SER 1335	0.375"	—	0.338"
SER 1336	0.438"	—	0.395"
SER 1337	0.469"	—	0.428
SER 1338	0.562"	—	0.521"
SER 1339	0.669"	—	0.621"
SER 1340	0.812"	—	0.751"
SER 1341	0.875"	—	0.810"
SER 1342	1.000"	—	0.925"
SER 1343	1.062"	—	0.982"
SER 1344	1.125"	—	1.041"
SER 1345	1.188"	—	1.098"
SER 1346	1.250"	—	1.156"
SER 1347	1.312"	—	1.214"
SER 1348	1.375"	—	1.272"
SER 1349	1.500"	—	1.387"
SER 1350	—	0.437"	—
SER 1351	—	0.500"	—
SER 1352	—	1.437"	—
SER 1353	—	—	0.437"
SER 1354	—	—	0.615"


E-Ring
1000
1300
1301
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1002
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1007
1008
1009
1010
1011
1012
1306
(Bowed)
1013
Cresent-type External Ring
1313
1019
1314
1318
1021
1020
1315
1316
Basic Internal Ring
1023
1319
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1024
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Internal
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1048
External
1049
1050
1051
1350
1352
1351
Self-locking Internal Ring
1310
1309
1308
1307
Reinforced E-Ring
1311
1014
1016
1015
1312
1017
Heavy Duty Basic External Ring
1353
1354
1045
1046
(Bowed)

EVERCRAFT



300 PC. SNAP-RING KIT

300 Piece snap ring hardware kit contains 18 of the most popular sizes of snap rings: 1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 7/16", 15/32", 1/2", 9/16", 5/8", 3/4", 13/16", 7/8", 1", 1 1/16", 1 1/8", 1 1/4". Made from steel. Comes in a resealable plastic container. Hardware kit is great for tool box or shop.

BK **776-8083**

IRWIN VISE-GRIP



LOCKING PLIERS MASTER SETS

Locking plier master sets provide users with a broad assortment of the most popular locking tools. Each set contains ten popular locking pliers, locking wrenches, long nose pliers, and locking clamps. The set is packed in a durable molded plastic tray designed to slide easily into the drawer of a toolbox. Perfect for home or shop, these professional locking tool sets come in standard metal grip and new Soft Grip formats.

VG **1078TRAY** 10 Pc. Locking Pliers Tool Set in Tray

Contents

Item No.	Description
VG **102L3**	10" Straight Jaw Locking Pliers
VG **502L3**	10" Curved Jaw Locking Pliers with Wire Cutter
VG **302L3**	7" Straight Jaw Locking Pliers
VG **702L3**	7" Curved Jaw w/Wire Cutter
VG **7LW**	7" Locking Wrench w/Wire Cutter
VG **902L3**	5" Curved Locking Pliers w/Wire Cutter
VG **1402L3**	6" Long Nose Locking Pliers
VG **1502L3**	9" Long Nose Locking Pliers
VG **17**	6" Locking C-Clamp
VG **19**	11" Locking C-Clamp

FAST RELEASE™ LOCKING PLIERS & SETS

- No pinch release
- More finger room
- High grade alloy steel
- 2x easier to open
- Unlocks from any angle without needing to press a trigger, making it ideal for professionals who work in tight spaces
- Same strength and durability of the original vise-grip

IRWIN VISE-GRIP



10 PC. LOCKING PLIERS FAST RELEASE™ TRAY SET

Contains: *VG* **1T**, *VG* **3T**, *VG* **5T**, *VG* **7T**, *VG* **13T**, *VG* **9T**, *VG* **14T**, *VG* **15T**, *VG* **17T**, *VG* **19T**.
Upper Soft Grip on *VG* **1T**, *VG* **3T**, *VG* **5T**, *VG* **7T**, *VG* **13T**, *VG* **15T** and *VG* **19T**.

VG **1078TRT**

IRWIN VISE-GRIP



7 PC. LOCKING PLIERS FAST RELEASE™ KIT BAG SET

Contains: *VG* **1T**, *VG* **3T**, *VG* **5T**, *VG* **7T**, *VG* **9T**, *VG* **14T**, *VG* **15T**.
Upper Soft Grip on *VG* **1T**, *VG* **3T**, *VG* **5T**, *VG* **7T** and *VG* **15T**.

VG **757KBT**

IRWIN VISE-GRIP

7 PC. LOCKING PLIERS TOOL SET IN KIT BAG

Locking pliers sets bring the most popular locking tools and applications together!

VG **757KB**



Contents

Item No.	Description
VG **502L3**	10" Curved Jaw Locking Pliers w/ Wire Cutter
VG **1402L3**	6" Long Nose Locking Pliers
VG **702L3**	7" Curved Jaw Locking Pliers w/ Wire Cutter
VG **10LW**	10" Locking Wrench w/ Wire Cutter
VG **7LW**	7" Locking Wrench w/ Wire Cutter
VG **902L3**	5" Curved Jaw Locking Pliers w/ Wire Cutter
VG **12L3**	12" Large Jaw Locking Pliers

IRWIN VISE-GRIP



6 PC. LOCKING PLIERS TOOL SET IN KIT BAG

Locking pliers sets bring the most popular locking tools and applications together!

VG **641**

Contents

Item No.	Description
VG **502L3**	10" Curved Jaw Locking Pliers with Wire Cutter
VG **1502L3**	9" Long Nose Locking Pliers
VG **702L3**	7" Curved Jaw Locking Pliers with Wire Cutter
VG **1402L3**	6" Long Nose Locking Pliers
VG **902L3**	5" Curved Jaw Locking Pliers with Wire Cutter
VG **1602L3**	4" Long Nose Locking Pliers



5 PC. LOCKING PLIERS TOOL SET

Locking pliers sets bring the most popular locking tools and applications together!

VG **68**

Contents

Item No.	Description
VG **102L3**	10" Straight Jaw Locking Pliers
VG **1102L3**	10" Curved Jaw Locking Pliers
VG **702L3**	7" Curved Jaw Locking Pliers with Wire Cutter
VG **1402L3**	6" Long Nose Locking Pliers
VG **902L3**	5" Curved Jaw Locking Pliers with Wire Cutter



5 PC. LOCKING PLIERS FAST RELEASE™ KIT BAG SET

Contains: *VG* **1T**, *VG* **11T**, *VG* **7T**, *VG* **14T**, *VG* **9T**.
Upper Soft Grip on *VG* **1T**, *VG* **11T** and *VG* **7T**.

VG **538KBT**



4 PC. LOCKING PLIERS FAST RELEASE™ KIT BAG SET

Contains: *VG* **5T**, *VG* **7T**, *VG* **14T**, *VG* **9T**.
Upper Soft Grip on *VG* **5T** and *VG* **7T**.

VG **428KBT**



LOCKING PLIERS SETS

- Includes most popular locking tools
- Multiple uses
- Great prices
- Ideal for gifts - even for yourself!

Item No.	Description
VG **73**	3 Piece Set Contains *VG* **502L3**, *VG* **1402L3**, and *VG* **902L3** with Kit Bag
VG **74**	5 Piece Welding Set with FREE T-Shirt Contains *VG* **2-19**, *VG* **2-17**, and *VG* **1-102L3**

IRWIN VISE-GRIP



THE ORIGINAL™ LOCKING PLIERS SET

- Ideal for tightening, clamping, twisting and turning
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability
- Classic Trigger Release designed to provide maximum locking force
- Hardened teeth are designed to grip from any angle

VG **2077704**

IRWIN VISE-GRIP



VG **77T**



VG **214T**

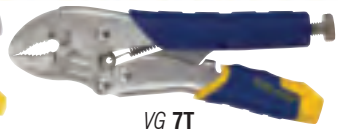
FAST RELEASE™ LOCKING PLIERS SETS

- Curved jaw puts tremendous pressure on four points of any style nut or bolt head
- One handed Fast Release™
- Two-times easier to open
- Increased finger room for large hands or gloves
- Upper soft grip
- No pinch release

Item No.	Description
VG **77T**	*VG* **5T 10WR®** Curved Jaw and *VG* **14T 6LN®** Long Nose Locking Pliers Fast Release™ Set
VG **214T**	*VG* **5T 10WR®** Curved Jaw and *VG* **7T 7WR®** Curved Jaw Locking Pliers Fast Release™ Set



VG **9T**



VG **7T**



VG **5T**

IRWIN VISE-GRIP

FAST RELEASE™ CURVED-JAW LOCKING PLIERS

- Curved jaw puts tremendous pressure on four points of any style nut or bolt head
- One handed Fast Release™
- Two-times easier to open
- Increased finger room for large hands or gloves
- Upper soft grip
- No pinch release

Item No.	Description
VG **9T**	5"/125 mm Fast Release™ Curved Jaw Locking Pliers
VG **7T**	7"/175 mm Fast Release™ Curved Jaw Locking Pliers
VG **5T**	10"/250 mm Fast Release™ Curved Jaw Locking Pliers

CRESCENT



5 PC. CURVED-JAW & LONG NOSE LOCKING PLIERS SET

- 6" and 9" long nose locking plier with wire cutter
- 5", 7" and 10" curved jaw locking plier with wire cutter
- Angled tooth pattern for better grip
- Nickel-plated finish resists rust and corrosion

APX **CLP5SET**

CARLYLE NAPA



CURVED JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPCJEZ5**	5 In.
CHT **LPCJEZ7**	7 In.
CHT **LPCJEZ10**	10 In.

IRWIN VISE-GRIP

THE ORIGINAL™ CURVED-JAW LOCKING PLIERS



- Self-energizing lower jaw provides 3X more gripping power than traditional locking pliers, with no slipping or stripping.
- Provides maximum torque without requiring heavy input pressure – jaw mechanism naturally grips tighter as more torque is applied to the tool.
- Classic trigger release provides maximum locking force.
- Curved jaw puts tremendous pressure on four points of any style nut or bolt head, making it perfect for any application that requires maximum torque.
- Constructed of high-grade heat-treated alloy steel for maximum toughness and durability.
- Hardened teeth are designed to grip from any angle.
- Hex key adjusting screw tightens to adjust pressure and draw materials together and provides a controlled release.
- Backed by the IRWIN® VISE-GRIP® Lifetime Guarantee.

VG **4935576**

IRWIN VISE-GRIP

CURVED-JAW LOCKING PLIERS



New "V" shaped curved jaw allows 200% more gripping strength. Self-adjusting powerful jaws grip almost any shape

VG **1302L3** 7"/175mm Curved Jaw Locking Pliers
VG **1102L3** 10"/250mm Curved Jaw Locking Pliers

IRWIN VISE-GRIP

4 WR LOCKING PLIERS



Curved jaw.

VG **10U**

IRWIN VISE-GRIP

CURVED-JAW LOCKING PLIERS WITH WIRE CUTTER



- Heavy duty for maximum strength and gripping capacity
- Excellent for work in tight places
- Wire cutter will cut up to a 1/4" bolt

Item No.	Description
VG **1002L3**	4"/100mm Curved Jaw Locking Pliers with Wire Cutter
VG **902L3**	5"/125mm Curved Jaw Locking Pliers with Wire Cutter
VG **702L3**	7"/175mm Curved Jaw Locking Pliers with Wire Cutter
VG **502L3**	10"/250mm Curved Jaw Locking Pliers with Wire Cutter

IRWIN VISE-GRIP

5 WR CURVED-JAW LOCKING PLIERS WITH WIRE CUTTER - 5 IN.



Curved Jaw with building wire cutter- great for a variety of applications and material shapes

VG **902L3SM**

IRWIN VISE-GRIP

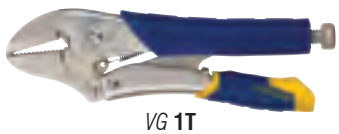
7 CR 7 IN. LOCKING PLIERS



VG **1302L3**

IRWIN VISE-GRIP

STRAIGHT-JAW LOCKING PLIERS



Upper soft grip.

VG **1T** 10R® Straight Jaw - 10"/250mm
VG **3T** 7R® Straight Jaw - 7"/175mm

VG **1T**



CARLYLE NAPA

STRAIGHT JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPSJEZ7**	7 In.
CHT **LPSJEZ10**	10 In.

IRWIN VISE-GRIP

STRAIGHT-JAW LOCKING PLIERS

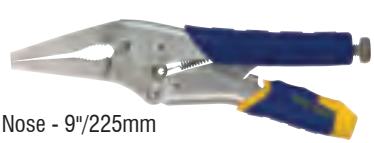


- Has parallel jaws that clamp firmly and tightly
- Tool locks to the work, leaving both hands free

VG **302L3** 7"/175mm Straight Jaw Locking Pliers
VG **102L3** 10"/250mm Straight Jaw Locking Pliers

IRWIN VISE-GRIP

LONG-NOSE JAW LOCKING PLIERS



Upper soft grip.

VG **15T** 9LN® Long Nose - 9"/225mm

IRWIN VISE-GRIP

FAST RELEASE™ LONG-NOSE LOCKING PLIERS



- Long, straight nose provides easy access in narrow, hard-to-reach places
- One-handed Fast Release™
- Two-times easier to open
- Increased finger room for large hands or gloves
- No pinch release

VG **14T** 6"/150 mm Fast Release™ Long Nose Locking Pliers

CARLYLE NAPA



LONG NOSE EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPLNEZ6**	6 In.
CHT **LPLNEZ9**	9 In.

IRWIN VISE-GRIP



LONG-NOSE LOCKING PLIERS

- Long reach for getting into tight places that ordinary tools can't reach
- Heavy-duty with the strength to tackle big jobs

Item No.	Description
VG **1602L3**	4"/100mm Curved Jaw Locking Pliers
VG **1402L3**	6"/150mm Curved Jaw Locking Pliers
VG **1502L3**	9"/225mm Long Nose Locking Pliers

CARLYLE NAPA



X-JAW EASY-RELEASE LOCKING PLIERS

Item No.	Description
CHT **LPXJEZ7**	7 In.
CHT **LPXJEZ10**	10 In.

IRWIN VISE-GRIP



LARGE JAW LOCKING PLIERS

Clamps and holds tight to large objects up to 3 1/8"/79mm. The large jaws and clamping ability make this tool ideal for mechanics, welders, and others who work with large objects.

VG **12L3** 12"/300mm Large Jaw Locking Pliers

IRWIN VISE-GRIP



LOCKING WRENCHES

- Jaws lock on three sides - will not slip or mar
- Adjustable to over 16 wrench sizes
- Adjusting screw for changing size and pressure

VG **10LW**

Item No.	Description
VG **8**	4"/100mm Locking Wrench - 1/2" to 9/16" (7mm-14mm)
VG **7LW**	7"/175mm Locking Wrench - 7/16" to 3/4" (11mm-19mm)
VG **10LW**	10"/250mm Locking Wrench - 5/8" to 1 1/8" (16mm-28mm)

EVERCRAFT



BK **774-3401**



BK **774-3405**

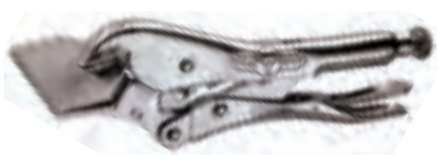


BK **774-3407**

LOCKING PLIERS

Item No.	Description
BK **774-3401**	Curved-Jaw w/Cutter, 7"
BK **774-3400**	Curved-Jaw w/Cutter, 10"
BK **774-3405**	Long-Nose w/Cutter, 6"
BK **774-3404**	Long-Nose w/Cutter, 9"
BK **774-3407**	Straight, 7"
BK **774-3410**	Straight, 10"

IRWIN VISE-GRIP



LOCKING SHEET METAL TOOL

Tool locks to work with a powerful grip. It can make bread-pan corners and can crimp, double-crimp and stretch upholstery webbing, making all kinds of bending, forming and crimping jobs easier. 8"/200mm.

VG **23**

IRWIN VISE-GRIP



LOCKING WELDING CLAMP

Clamp has deep-throated, U-shaped jaws for visibility and working space and holds parts in proper alignment for welding applications. 9"/225mm.

VG **25ZR**

NAPA WELDING

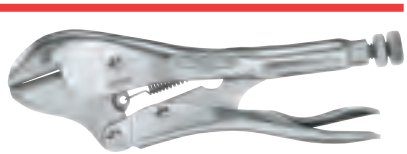


LOCKING PLIER 2-JAW WELD CLAMPS

Positive-locking clamp holds two pieces of material together and holds both parts in proper alignment, even when material is not of identical thickness, leaving hands free.

WLD **777-1516**

IRWIN VISE-GRIP



LOCKING PINCH-OFF TOOL

Specially designed for the refrigeration industry, this tool pinches off and locks on copper tubing instantly. 7"/175 mm.

VG **29**

IRWIN VISE-GRIP



LOCKING PANEL CLAMP

Clamp allows for quick clamping and alignment of auto body panels. The unique clamping action of the *VG* **9AC** is ideally suited for automotive and welding applications. 9"/225mm.

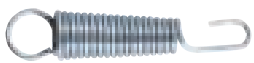
VG **251**

IRWIN VISE-GRIP

LOCKING PLIER SPRING

Replacement spring for all vise grips.

VG **4052ZR**



OTC

RATCHETING CHAIN WRENCHES

Head design and ratcheting action permit turning in either direction or re-gripping without removal. Works effectively on items of any shape.



Item No.	Description
BK **825-5128**	13" Handle/Capacity: 1½"-4¾" O.D.
BK **700-2247**	19" Handle/Capacity: 3"-6¾" O.D.

FAST RELEASE™ LOCKING C-CLAMPS WITH REGULAR TIPS

IRWIN VISE-GRIP



VG **17T**

- Wide-opening jaws provide greater versatility in clamping a variety of shapes
- One handed Fast Release™
- Two-times easier to open
- Increased finger room for large hands or gloves
- Upper soft grip
- No pinch release

Item No.	Description
VG **17T**	6"/150 mm Fast Release™ Locking C-Clamps with Regular Tips
VG **19T**	11"/275 mm Fast Release™ Locking C-Clamps with Regular Tips

CARLYLE NAPA



EASY-RELEASE C-CLAMPS

Item No.	Description
CHT **LPCCEZ6**	6 In.
CHT **LPCCEZ11**	11 In.

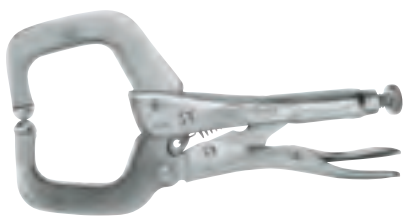


IRWIN VISE-GRIP

11 IN. LOCKING C-CLAMPS W/REGULAR TIPS

Wide-opening jaw provides greater versatility in clamping a variety of shapes

VG **19SM**



IRWIN VISE-GRIP

LOCKING C-CLAMPS W/REGULAR TIPS

- Jaws open wide for versatility
- Powerful locking mechanism guarantees no slippage
- Ideal for auto body, welding, sheet metal and construction jobs

Item No.	Description
VG **17**	6"/150mm Locking C-Clamps with Regular Tips
VG **19**	11"/275mm Locking C-Clamps with Regular Tips
VG **18R**	18"/455mm Locking C-Clamps with Regular Tips
VG **275**	24"/605mm Locking C-Clamps with Regular Tips
VG **211ZR**	18"/455mm Locking C-Clamps with extended Throat Width



NAPA WELDING

LOCKING C-CLAMP PLIERS

Item features large C-clamp design which leaves room for maneuvering. Clamp has micro adjustment, and features a squeeze lock and an easy-release trigger.

WLD **777-1515**



IRWIN VISE-GRIP

LOCKING C-CLAMPS W/SWIVEL PADS

- Swivel pads hold tapered work
- Engineered for balance and easy handling so many functions can be performed with one hand

Item No.	Description
VG **165**	4"/100mm Locking C-Clamps with Swivel Pads
VG **18**	6"/150mm Locking C-Clamps with Swivel Pads
VG **11SP**	11"/275mm Locking C-Clamps with Swivel Pads
VG **22**	18"/455mm Locking C-Clamps with Swivel Pads
VG **28**	24"/605mm Locking C-Clamps with Swivel Pads



WLD **777-1919**

NAPA WELDING

LOCK-JAW™ AUTO-ADJUSTING WELDING CLAMPS

Automatically locks on any size. Lockjaw™ patented locking mechanism allows the jaws to automatically adjust to any size object for simple, one-handed operation. Whether grabbing something thick or thin, Lockjaw™ Automatic Locking Welding Clamps make jobs faster and easier.

Item No.	Description
WLD **777-1919**	7" C Clamp
WLD **777-1920**	7" C Clamp Swivel Pads
WLD **777-1921**	10" Small Body C Clamp
WLD **777-1922**	10" Small Body C Clamp
WLD **777-1923**	11" C Clamp
WLD **777-1924**	11" C Clamp Swivel Pads
WLD **777-1925**	19" C Clamp
WLD **777-1926**	19" C Clamp Swivel Pads



IRWIN VISE-GRIP

DEEP REACH LOCKING C-CLAMPS

Great for automotive applications. 9" Deep reach locking c-clamp provides extra throat width and depth for greater clamping reach. Lightweight and easy to carry around, jaws flex requiring less adjustment. Throat width = 3 1/2" closed, depth = 4 3/4". Item *VG* **31** features swivel tips for greater ease in clamping odd shaped and angled items.

VG **30** Straight tips
VG **31** Swivel tips

WELDING

SPARK-DUTY™ 400P C-CLAMPS

Spatter-Resistant Copper Features

Drop Forged:
- Manufactured for greater strength under regular strength applications

V-Grooved Anvil:
- Feature allows secure holding of all materials including rounds, squares and flats

ACME Rolled Spindle:
- Threads provide continuous smooth operation for faster clamping action and maximum strength

Copper Plated:
- Spindles and pads are copper plated to provide resistance to welding splatter and corrosion

Ideal For:
- Steel Fabrication
- Industrial Welders



Item No.	Nominal Opening Capacity	Throat Depth	Clamp Pressure	Spindle Size	Net Weight
JET **14215**	0 – 2 1/8"	2 5/8"	3,500 lbs.	9/16"	2 lbs.
JET **14229**	0 – 3"	2 1/2"	3,500 lbs.	5/8"	2 lbs.
JET **14243**	0 – 4 1/4"	3 1/4"	6,200 lbs.	3/4"	4 lbs.
JET **14257**	0 – 6 1/16"	4 1/8"	6,600 lbs.	3/4"	5 lbs.
JET **14271**	0 – 8 1/4"	5"	6,900 lbs.	3/4"	8 lbs.
JET **14285**	2 – 10 1/8"	6"	8,000 lbs.	3/4"	10 lbs.
JET **14299**	2 – 12 1/4"	6 5/16"	9,300 lbs.	7/8"	15 lbs.

WELDING

540A SERIES CARRIAGE C-CLAMPS

Features

Ductile Iron Frames:
- Rugged frames designed for maximum clamping pressure

Classic Design:
- Most popular C-Clamp for over 50 years

Black Oxide Coating:
- Spindles and pads are treated to resist corrosion

Oscillating Head:
- High quality steel pad is built to last and provide firm gripping action on angular surfaces

Ideal For:
- Light Industrial
- Home Craftsman
- Woodworking
- Repair
- Lifetime Warranty



Item No.	Nominal Opening Capacity	Throat Depth	Clamp Pressure	Spindle Size	Net Weight
JET **22001**	0 – 2 1/2"	1 3/4"	1,110 lbs.	1/2"	1 lbs.
JET **22003**	0 – 4"	2 1/16"	2,150 lbs.	5/8"	2 lbs.
JET **22004**	0 – 5"	2 1/2"	2,250 lbs.	5/8"	2 lbs.
JET **22005**	0 – 6"	2 3/4"	2,450 lbs.	5/8"	3 lbs.
JET **22006**	0 – 8"	3 1/4"	2,750 lbs.	3/4"	5 lbs.
JET **22007**	0 – 10"	3 5/8"	2,850 lbs.	7/8"	7 lbs.
JET **4PC540**	4 Pc. set in a bag, Contains *JET* **22001**, *JET* **22004**, *JET* **22006** and *JET* **22007**				


JET 14210


JET 14302

CLASSIC 400 SERIES™ C-CLAMPS

Deep Throat Clamps

Features

Drop Forged:
- Manufactured for greater strength under regular strength applications

ACME Rolled Spindle:
- Threads provide continuous smooth operation for faster clamping action and maximum strength

Black Oxide Coating:
- Spindles and PERMA-PADS® are treated to resist corrosion

V-Grooved Anvil:
- Feature allows secure holding of all materials including rounds, squares and flats

Ideal For:
- Steel Fabrication
- Industrial Maintenance
- Production
- Repair Operations
- Lifetime Warranty

NOTE: Meets federal spec # GGG-C-406a, Type I, Class A, Grade a, Style 1 & 2. Hi Vis conforms to OSHA safety color standard for physical regulation #1910.144

Item No.	Nominal Opening Capacity	Throat Depth	Clamp Pressure	Spindle Size	Net Weight
Classic 400 Series™					
JET **14210**	0 – 1 1/2"	1 1/2"	1,400 lbs.	3/8"	1 lbs.
JET **14214**	0 – 2 1/8"	2 1/4"	3,500 lbs.	9/16"	2 lbs.
JET **14228**	0 – 3"	2 1/2"	3,500 lbs.	9/16"	2 lbs.
JET **14242**	0 – 4 1/4"	3 1/4"	6,200 lbs.	3/4"	4 lbs.
JET **14256**	0 – 6 1/16"	4 1/8"	6,600 lbs.	3/4"	5 lbs.
JET **14270**	0 – 8 1/4"	5"	6,900 lbs.	3/4"	8 lbs.
JET **14284**	2 – 10 1/8"	6"	8,000 lbs.	3/4"	11 lbs.
JET **14298**	2 – 12 1/4"	6 5/16"	9,300 lbs.	7/8"	14 lbs.
Classic 400 Series™ Hi-Vis Safety					
JET **14302**	0 – 4 1/4"	3 1/4"	6,200 lbs.	3/4"	4 lbs.
JET **14303**	0 – 6 1/16"	4 1/8"	6,600 lbs.	3/4"	5 lbs.
JET **14305**	0 – 8 1/4"	5"	6,900 lbs.	3/4"	7 lbs.

MALLEABLE IRON C-CLAMPS

NAPA WELDING

Clamps are designed to provide sure, non-slip clamping on all shapes. Copper-plated acme screw fights against slag and spatter build up.

Item No.	Description
WLD **777-1517**	2"
WLD **777-1518**	3"
WLD **777-1519**	4"
WLD **777-1520**	5"
WLD **777-1521**	6"


WLD 777-1521

C-CLAMPS

EVERCRAFT

Secure, non-slip clamps work on items of any shape or size. Malleable, cast-iron construction for strength and durability, and zinc-plated acme threaded screw for precision control.

Item No.	Description
BK **775-3422**	2"
BK **775-3423**	3"
BK **775-3424**	4"
BK **775-3426**	6"
BK **775-3428**	8"




JET 41406

JET 42520


JET 42460

140 SERIES LIGHT INDUSTRIAL CARRIAGE C-CLAMPS

Features

Deep Reach Pattern:
- Provides maximum depth for applications requiring increased throat capacity

Ductile Iron Frames:
- Rugged frames designed for maximum clamping pressure

Black Oxide Coating:
- Spindle and pads are treated to resist corrosion

Ideal For:
- Light Industrial
- Home Craftsman
- Woodworking
- Repair
- Lifetime Warranty

Item No.	Nominal Opening Capacity	Throat Depth	Clamp Pressure	Spindle Size	Net Weight
140 Series Standard Carriage					
JET **41406**	0 – 4"	2 3/4"	1,535 lbs.	1/2"	1 lbs.
JET **41408**	0 – 6"	3 1/4"	1,400 lbs.	5/8"	3 lbs.
JET **41409**	0 – 8"	4	1,700 lbs.	3/4"	4 lbs.
Deep Reach Carriage					
JET **42520**	0 – 2"	3 1/2"	450 lbs.	5/16"	1 lbs.
Xtra Deep Reach Carriage					
JET **42460**	2 1/2"	6 1/4"	1,600 lbs.	7/16"	2 lbs.

CLASSIC™ SERIES F-CLAMPS

Features

Black Oxide Spindles:
- Resists wear and tear while impeding rust

Drop-Forged Arm:
- Provides minimal flex under heavy workloads

Swivel Pad:
- Centers on workpiece for a sturdy hold

Sturdy Tommy Bar:
- Engineered for durability and comfort

Ideal For:
- Fabrication
- Welding
- Repetitive Clamping
- Lifetime Warranty



Item No.	Nominal Opening Capacity	Throat Depth	Clamping Force	Net Weight
JET **86130**	8"	4 3/4"	1,200 lbs.	4 lbs.
JET **86140**	12"	4 3/4"	1,200 lbs.	4 lbs.
JET **86160**	24"	4 3/4"	1,200 lbs.	5 lbs.



SPARK-DUTY™ COPPER-PLATE F-CLAMPS

Features

Spark-Duty™ Copper-Plated Spindle:
- Extends the life of the clamp by protecting the spindle and pad from harmful welding spatter

Quick-Twist Pads:
- Simple and fast replaceable pads in V-groove or serrated surfaces

V-Groove Pad:
- Included with every clamp. Clamp round objects up to 14" in diameter

Ergonomic Wilton-Grip®:
- Anti-fatigue Wilton-Grip® provides comfort during repetitive clamping

2000s Series — Light-Duty

Drop-Forged Arm:
- Minimal flex under heavy workloads

J-Shaped Rail (J-Series)
- Steps over I-beams and irregular shapes

Deep Reach Series

Increased Throat Depth:
- Provides deeper reach for unique projects

Item No.	Nominal Opening Capacity	Throat Depth	Clamping Force	Net Weight
2000S Series – Light Duty				
JET **86300**	8"	4¾"	2,000 lbs.	6 lbs.
JET **86310**	12"	5½"	2,000 lbs.	7 lbs.
JET **86330**	24"	4¾"	2,000 lbs.	8 lbs.
J-Series				
JET **86910**	12"	5½"	2,400 lbs.	8 lbs.
Deep Reach Series				
JET **86700**	12"	8"	1,770 lbs.	7 lbs.



HEAVY-DUTY LEVER CLAMPS

Features
- Spindleless Clamps

Ratcheting Design:
- Allows easy, spindle-free operation

Quick-Trigger Release:
- Release clamp pressure with one squeeze

Wilton® Blue Aluminum Handle:
- Ergonomically designed for repetitive clamping and resistant to heat

Self Centering Pad:
- Centers on workpiece for a sturdy hold
- Lifetime Warranty

Item No.	Nominal Opening Capacity	Throat Depth	Clamping Force	Net Weight
JET **86820**	12"	5½"	1,100 lbs.	3 lbs.



SMALL BAR CLAMP
- One-handed operation
- Screw release allows for easy conversion to a spreader
- Tough reinforced nylon body
- Removable jaw pads protect work surfaces

Item No.	Clamp Size	Clamping Force	Throat Depth	Weight
DEW **DWHT83191**	4½"	35 lbs	1½"	0.11 lbs



MEDIUM BAR CLAMPS
- One-handed operation
- Tough reinforced nylon body
- Removable jaw pads protect work surfaces

DEW **DWHT83140**

Item No.	Clamp Size	Clamping Force	Throat Depth	Weight
DEW **DWHT83139**	6"	100 lbs	2⁷/₁₆"	0.75 lbs
DEW **DWHT83140**	12"	100 lbs	2⁷/₁₆"	0.90 lbs



LARGE BAR CLAMPS
- One-handed operation
- Quick change button allows for easy conversion to a spreader
- Tough reinforced nylon body
- Removable jaw pads protect work surfaces

DEW **DWHT83193**

Item No.	Clamp Size	Clamping Force	Throat Depth	Weight
DEW **DWHT83192**	6"	300 lbs	3¼"	1.07 lbs
DEW **DWHT83193**	12"	300 lbs	3¼"	1.26 lbs
DEW **DWHT83194**	24"	300 lbs	3¼"	1.63 lbs
DEW **DWHT83195**	36"	300 lbs	3¼"	2.00 lbs



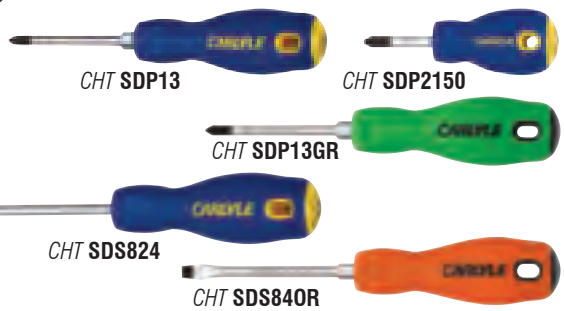
EXTRA LARGE BAR CLAMPS
- One-handed operation
- Quick change button allows for easy conversion to a spreader
- Tough reinforced nylon body
- Full face removable jaw pads protect work surface

DEW **DWHT83185**

Item No.	Clamp Size	Clamping Force	Throat Depth	Weight
DEW **DWHT83185**	12"	600 lbs	3¾"	2.55 lbs
DEW **DWHT83186**	24"	600 lbs	3¾"	3.21 lbs
DEW **DWHT83187**	36"	600 lbs	3¾"	3.86 lbs
DEW **DWHT83188**	50"	600 lbs	3¾"	4.62 lbs

CARLYLE® SCREWDRIVERS

Carlyle offers a complete line of professional screwdrivers to cover the needs of professional technicians. This offering features a wide range of sizes in lengths ranging from 3"–16" in the following styles: SAE & metric nut drivers, Phillips, slotted, cabinet blade, clutch blade, star, hex, and precision. Shafts are constructed of silicone vanadium chrome magnesium (SVCM) alloy steel. This unique blending has excellent hardness for added strength and an elastic feature that resists screwdriver blade breakage when overstressed.



CHT **SDP13** *CHT* **SDP2150** *CHT* **SDP13GR** *CHT* **SDS824** *CHT* **SDS840R**

CARLYLE by NAPA

www.carlyletools.com/products/screwdrivers

EASY IDENTIFICATION

Carlyle screwdrivers feature easy identification on the handle showing type, size, length, and part number.





CHT **SDS8**

SLOTTED & PHILLIPS SCREWDRIVERS & SETS

Item No.	Description	*CHT* SDS8 8 Pc. Set w/Tray	*CHT* SDSP8 8 Pc. Set w/Tray	*CHT* SDSS6 6 Pc. Set w/Tray	*CHT* SDS80R 8 Pc. Hi-Vis Orange Set w/Tray	*CHT* SDS8GR 8 Pc. Hi-Vis Green Set w/Tray
CHT **SDP0250**	Phillips #0 x 2 1/2"					
CHT **SDP03**	Phillips w/ Clip, #0 x 2 1/2"		•			
CHT **SDP13**	Phillips #1 x 3"	•	•			
CHT **SDP16**	Phillips #1 x 6"		•			
CHT **SDP2150**	Phillips Stubby #2 x 1 1/2"					
CHT **SDP24**	Phillips #2 x 4"	•	•			
CHT **SDP26**	Phillips #2 x 6"	•	•			
CHT **SDP28**	Phillips #2 x 8"		•			
CHT **SDP212**	Phillips #2 x 12"					
CHT **SDP216**	Phillips #2 x 16"					
CHT **SDP218**	Phillips #2 x 18"					
CHT **SDP36**	Phillips #3 x 6"	•	•			
CHT **SDP38**	Phillips #3 x 8"		•			
CHT **SDP130R**	Hi-Vis Orange Phillips, #1 x 3"				•	
CHT **SDP13GR**	Hi-Vis Green Phillips, #1 x 3"					•
CHT **SDP240R**	Hi-Vis Orange Phillips, #2 x 4"				•	
CHT **SDP24GR**	Hi-Vis Green Phillips, #2 x 4"					•
CHT **SDP260R**	Hi-Vis Orange Phillips, #2 x 6"				•	
CHT **SDP26GR**	Hi-Vis Green Phillips, #2 x 6"					•
CHT **SDP360R**	Hi-Vis Orange Phillips, #3 x 6"				•	
CHT **SDP36GR**	Hi-Vis Green Phillips, #3 x 6"					•
CHT **SDS3250**	Slotted w/ Clip, 1/8" x 2 1/2"					
CHT **SDS8150**	Slotted Stubby 1/4" x 1 1/2"					
CHT **SDS64**	Slotted Round Blade 3/16" x 4"					
CHT **SDS68**	Slotted Round Blade 3/16" x 8"					
CHT **SDS84**	Slotted Round Blade 1/4" x 4"	•		•		
CHT **SDS86**	Slotted Round Blade 1/4" x 6"	•		•		
CHT **SDS824**	Slotted Round Blade 1/4" x 24"					
CHT **SDS106**	Slotted Round Blade 5/16" x 6"	•		•		
CHT **SDS128**	Slotted Round Blade 3/8" x 8"	•		•		
CHT **SDS1212**	Slotted Round Blade 3/8" x 12"			•		
CHT **SDS1216**	Slotted Round Blade 3/8" x 16"			•		
CHT **SDS840R**	Hi-Vis Orange Slotted, 1/4" x 4"				•	
CHT **SDS84GR**	Hi-Vis Green Slotted, 1/4" x 4"					•
CHT **SDS860R**	Hi-Vis Orange Slotted, 1/4" x 6"				•	
CHT **SDS86GR**	Hi-Vis Green Slotted, 1/4" x 6"					•
CHT **SDS1060R**	Hi-Vis Orange Slotted, 5/16 x 6"				•	
CHT **SDS106GR**	Hi-Vis Green Slotted, 5/16" x 6"					•
CHT **SDS1280R**	Hi-Vis Orange Slotted, 3/8" x 8"				•	
CHT **SDS128GR**	Hi-Vis Green Slotted, 3/8" x 8"					•

EVERCRAFT



26 PC. SCREWDRIVER SET

26 Assorted screwdrivers with TPR handles and self storage display.

Includes Sizes:

Phillips: #2 x 1-½", #00 x 3", #0 x3", #1 x 4", #2 x 5", #2 x 4", #3 x 6"
Slotted: ¼" x 1 ½", ⅛" x 2", ⅛" x 3", 3/16" x 4", ¼" x 4", ¼" x 4", ¼" x 5", 5/16" x 6"
Pozi: PZ0, PZ1, PZ2
Star: T15, T20, T25, T27, and T30
Square: S1, S2, S3

BK **774-1000**

EVERCRAFT



6 PC. SCREWDRIVER SET

This 6 piece professional screwdriver set is made from Chrome Vanadium steel for strength and durability. Handles feature comfortable non-slip molded grips. Screwdriver ends are magnetic. Red and black handles for better visibility.
Shaft lengths of 4", 3" and 2½".

Includes Sizes:

Slotted: ⅛" x 3", 3/16" x 3", ¼" x 4".
Phillips: #0 x 2½", #1 x 3", #2 x 4".

BK **774-1001**

EVERCRAFT

EVERCRAFT™ SCREWDRIVERS

- Material — CR-V
- Handles — TPR / PP
- Heat treated tips
- Hex Bolster on Shafts
- Vapor blasted tips — Magnetic
- Mix assortment of 6 and 12 point sockets
- Limited assortment of shallow and deep sockets



BK **774-5033**



BK **774-5025**



BK **774-0505**

PHILLIPS & SLOTTED SCREWDRIVERS & SETS

Item No.	Size	*BK* 774-0507 12 Pc. Set	*BK* 774-0506 9 Pc. Set	*BK* 774-0505 6 Pc. Set	*BK* 774-0504 3 Pc. Set
BK **774-5025**	Phillips, #0 x 3"	•	•		
BK **774-5026**	Phillips, #1 x 3"	•	•	•	
BK **774-5029**	Phillips, #2 x 1½"	•	•		
BK **774-5027**	Phillips, #2 x 4"	•	•	•	
BK **774-5039**	Phillips, #2 x 8"				
BK **774-5038**	Phillips, #2 x 18"				•
BK **774-5028**	Phillips, #3 x 6"	•		•	
BK **774-5040**	Phillips, #4 x 8"				
BK **774-5033**	Slotted, 5/32" x 4"	•	•		
BK **774-5030**	Slotted, 3/16" x 3"	•	•	•	
BK **774-5034**	Slotted, ¼" x 1½"	•	•		
BK **774-5031**	Slotted, ¼" x 4"	•	•	•	
BK **774-5032**	Slotted, 5/16" x 6"	•	•	•	
BK **774-5041**	Slotted, ¼" x 8"				
BK **774-5042**	Slotted, ⅜" x 10"				
BK **774-5036**	Slotted, ¼" x 24"				•
BK **774-5037**	Slotted, ½" x 19"				•
BK **774-5035**	Bit Driver	•			
—	Bit Set, 10 pc. ¼"	•			

CARLYLE NAPA


CHT **SDPRP0**


CHT **SDPRS2**


CHT **SDPRH13M**


CHT **SDPRT5**


CHT **SDSPR7**

PRECISION SCREWDRIVERS & SETS

Item No.	Description	*CHT* SDSPR7 7 Pc. Phillips/Slotted Set w/Tray	*CHT* SDSPRH5 5 Pc. Hex Set w/Tray	*CHT* SDSPRH5M 5 Pc. Hex Set w/Tray	*CHT* SDSPRT6 6 Pc. Star Set w/Tray
CHT **SDPRP00**	Phillips, #00 x 2 3/8"	•			
CHT **SDPRP0**	Phillips, #0 x 2 3/8"	•			
CHT **SDPRP1**	Phillips, #1 x 2 3/8"	•			
CHT **SDPRS2**	Slotted, 1/16" x 2 3/8"	•			
CHT **SDPRS25**	Slotted, 5/64" x 2 3/8"	•			
CHT **SDPRS3**	Slotted, 3/32" x 2 3/8"	•			
CHT **SDPRS4**	Slotted, 1/8" x 2 3/8"	•			
CHT **SDPRH2**	Hex, 1/16" x 2 3/8"		•		
CHT **SDPRH25**	Hex, 5/64" x 2 3/8"		•		
CHT **SDPRH3**	Hex, 3/32" x 2 3/8"		•		
CHT **SDPRH35**	Hex, 7/64" x 2 3/8"		•		
CHT **SDPRH4**	Hex, 1/8" x 2 3/8"		•		
CHT **SDPRH13M**	Hex, 1.3mm x 2 3/8"			•	
CHT **SDPRH15M**	Hex, 1.5mm x 2 3/8"			•	
CHT **SDPRH2M**	Hex, 2.0mm x 2 3/8"			•	
CHT **SDPRH25M**	Hex, 2.5mm x 2 3/8"			•	
CHT **SDPRH3M**	Hex, 3mm x 2 3/8"			•	
CHT **SDPRT5**	Star, T-5 x 2 3/8"				•
CHT **SDPRT6**	Star, T-6 x 2 3/8"				•
CHT **SDPRT7**	Star, T-7 x 2 3/8"				•
CHT **SDPRT8**	Star, T-8 x 2 3/8"				•
CHT **SDPRT9**	Star, T-9 x 2 3/8"				•
CHT **SDPRT10**	Star, T-10 x 2 3/8"				•

EVERCRAFT

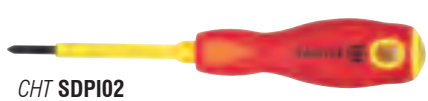


PRECISION PHILLIPS & SLOTTED SCREWDRIVERS

Screwdrivers feature CR-V steel shafts, high polish chrome for strength and durability, magnetic tips, 2" shaft and comfort grip handles.

Item No.	Description
BK **774-5052**	Phillips, 2mm Tip
BK **774-5053**	Phillips, 2.5mm Tip
BK **774-5050**	Slotted, #00
BK **774-5051**	Slotted, #000

CARLYLE NAPA


CHT **SDPI02**


CHT **SDSI33**

INSULATED SCREWDRIVERS & SET

Rated to 1000 V AC/DC and meet the IEC 60900 and ASTM F1505 standards. GS and VDE certified.

Item No.	Description	*CHT* SDSI7 7 Pc. Set w/Tray
CHT **SDPI02**	Phillips, #0 x 2 3/8"	•
CHT **SDPI13**	Phillips, #1 x 3 1/8"	•
CHT **SDPI24**	Phillips, #2 x 4"	•
CHT **SDPI36**	Phillips, #3 x 6"	•
CHT **SDSI33**	Slotted, 3/32" x 3"	
CHT **SDSI44**	Slotted, 1/8" x 4"	
CHT **SDSI54**	Slotted, 5/32" x 4"	•
CHT **SDSI75**	Slotted, 7/32" x 5"	•
CHT **SDSI86**	Slotted, 1/4" x 6"	•
CHT **SDSI107**	Slotted, 5/16" x 7"	

CARLYLE NAPA



CHT **SDC64**

CABINET SCREWDRIVERS & SET

Item No.	Size	*CHT* SDSC4 4 Pc. Set w/Tray
CHT **SDC64**	3/16" x 4"	
CHT **SDC66**	3/16" x 6"	•
CHT **SDC4350**	1/8" x 3 1/2"	
CHT **SDC610**	3/16" x 10"	
CHT **SDC88**	1/4" x 8"	•
CHT **SDC812**	1/4" x 12"	•
CHT **SDC816**	1/4" x 16"	•

CARLYLE NAPA



CHT **SDCL105**

CLUTCH SCREWDRIVERS

Item No.	Size
CHT **SDCL64**	3/16" x 4"
CHT **SDCL85**	1/4" x 5"
CHT **SDCL105**	5/16" x 5"

CARLYLE NAPA



CHT **SDT40**

STAR SCREWDRIVERS & SET

Item No.	Size	*CHT* SDST8 8 Pc. Set w/Tray
CHT **SDT5**	T-5 x 3" w/ Clip	
CHT **SDT8**	T-8 x 3"	•
CHT **SDT10**	T-10 x 4"	•
CHT **SDT15**	T-15 x 4"	•
CHT **SDT20**	T-20 x 4"	•
CHT **SDT25**	T-25 x 4"	•
CHT **SDT27**	T-27 x 4"	•
CHT **SDT30**	T-30 x 4"	•
CHT **SDT40**	T-40 x 4"	•

EVERCRAFT



BK **774-5210**

STAR SCREWDRIVERS & SET

Item No.	Size	BK 774-0502 6 Pc. Set
BK **774-5210**	T-10 x 4"	•
BK **774-5215**	T-15 x 4"	•
BK **774-5220**	T-20 x 4"	•
BK **774-5225**	T-25 x 4"	•
BK **774-5227**	T-27 x 4"	•
BK **774-5230**	T-30 x 4"	•

CARLYLE NAPA



CHT **SDT8H**

TAMPER-PROOF STAR SCREWDRIVERS

Item No.	Size
CHT **SDT8H**	T-8 x 3"
CHT **SDT10H**	T-10 x 4"
CHT **SDT15H**	T-15 x 4"
CHT **SDT20H**	T-20 x 4"
CHT **SDT25H**	T-25 x 4"
CHT **SDT27H**	T-27 x 4"
CHT **SDT30H**	T-30 x 4"

CARLYLE NAPA



CHT **SDOP12**

OFF-SET SCREWDRIVERS

Item No.	Description
CHT **SDOP12**	Phillips,#1, #2, 4 1/8" Long
CHT **SDOS64**	Slotted, 3/16" x 3/16", 4 1/8" Long
CHT **SDOS84**	Slotted, 1/4" x 1/4", 4 1/8" Long



PHILLIPS SCREW STARTER

Twist bit to firmly hold most Phillips screws for easy starting in hard-to-reach areas. Strong magnet on opposite end retrieves dropped parts. Includes a pocket clip. Length: 5 5/8".

SER **2283**



SLOTTED SCREW STARTER

Holds screw securely for use in hard-to-reach areas. Twist the bit to hold screw for easy starting. Strong magnet on opposite end picks up dropped parts. Also includes a pocket clip. Length: 5 5/8".

SER **2282**

EVERCRAFT

4-IN-1 SCREWDRIVER

Four screwdrivers at your fingertips! Interchangeable handle with two Slotted and two Phillips heads.

BK **775-5000**



CARLYLE



CHT **ND6**



CHT **ND6M**



CHT **NDS7M**

SAE MET

NUT DRIVERS & SETS

Nut drivers feature comfort grip color coded handles for easy size identification and a bolster hole in the handle for increased torque.

Item No.	Size	*CHT* NDS7 7 Pc. Set w/Tray	*CHT* NDS7M 7 Pc. Set w/Tray
CHT **ND6**	3/16"	•	
CHT **ND8**	1/4"	•	
CHT **ND10**	5/16"	•	
CHT **ND11**	11/32"	•	
CHT **ND12**	3/8"	•	
CHT **ND14**	7/16"	•	
CHT **ND16**	1/2"	•	
CHT **ND5M**	5mm		•
CHT **ND6M**	6mm		•
CHT **ND7M**	7mm		•
CHT **ND8M**	8mm		•
CHT **ND9M**	9mm		•
CHT **ND10M**	10mm		•
CHT **ND11M**	11mm		•

EVERCRAFT



BK **774-9101**



BK **774-9108**



SAE MET

NUT DRIVERS & SETS

Drivers feature hollow shaft for use when extra depth is needed and color-coded comfort grip handles for easy size identification.

Item No.	Size	*BK* 774-9099 7 Pc. Set	*BK* 774-9100 7 Pc. Set
BK **774-9101**	3/16"	•	
BK **774-9102**	1/4"	•	
BK **774-9103**	5/16"	•	
BK **774-9104**	11/32"	•	
BK **774-9105**	3/8"	•	
BK **774-9106**	7/16"	•	
BK **774-9107**	1/2"	•	
BK **774-9108**	5mm		•
BK **774-9109**	6mm		•
BK **774-9110**	7mm		•
BK **774-9111**	8mm		•
BK **774-9112**	9mm		•
BK **774-9113**	10mm		•
BK **774-9114**	12mm		•

DEWALT

34 PC. IMPACT DRIVER SET

Magnetic bit holder, 1/4", 3/8" and 5/8" nut drivers. Phillips bits, flat head, square head, Torx drive bits.

DEW **DW2153**



EVERCRAFT

3/8 IN. DR. IMPACT DRIVER SET

Releases frozen bolts and screws. Simply twist tool in direction of rotation, hold and strike with a hammer. Reverse action tightens bolts.

BK **776-9059**



Contents

Adapter, Hex: $^{3}/_{8}$"-$^{5}/_{16}$".
Bits, Phillips: #2, #3.
Bits, Slotted: $^{5}/_{16}$", $^{9}/_{32}$".

3/8 IN. DR. IMPACT DRIVER SET

Free frozen bolts and screws by twisting the tool in the direction of the rotation and holding while striking with a hammer. Reverse action tightens bolts. Set is standard $^{3}/_{8}$" square drive and includes $^{3}/_{8}$" square drive adapter for $^{5}/_{16}$" hex bits.

SER **1140**



16 PC. FASTENER DRIVE TOOL SET

All IRWIN® Fastener Drive Bits are manufactured from industrial grade tool steel and tested to meet the highest standards for hardness & torque.

VG **3057016**



Contents

Description	Description
#2 Phillips Power Bit x $3^{1}/_{2}$"	T25 TORX® #2 Power Bit x 6"
#3 Phillips Power Bit x $3^{1}/_{2}$"	T27 TORX® #2 Power Bit x 6"
#2 POZIDRIV Power Bit x $3^{1}/_{2}$"	T30 TORX® #2 Power Bit x 6"
#1 Phillips Power Bit x 6"	$^{1}/_{4}$" Socket Adapter
#2 Phillips Power Bit x 6"	$^{3}/_{8}$" Socket Adapter x 2"
T15 TORX® #2 Power Bit x $3^{1}/_{2}$"	$^{5}/_{16}$" Magnetic Nutsetter x $1^{7}/_{8}$"
T20 TORX® #2 Power Bit x $3^{1}/_{2}$"	$2^{1}/_{2}$" Quick Change Chuck
T20 TORX® #2 Power Bit x 6"	6" Quick Change Extension

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.



34 PC. FASTENER DRIVE TOOL SET

All IRWIN® Fastener Drive Bits are manufactured from Industrial grade tool steel and tested to meet the highest standards for hardness & torque.

VG **3057034**

Contents

Description	Description
#1 Phillips Power Bit x 2"	#1 Phillips Power Bit x 6"
#2 Phillips Power Bit x 2"	#2 Phillips Power Bit x 6"
#3 Phillips Power Bit x 2"	#3 Phillips Power Bit x 6"
#1 POZIDRIV Power Bit x 2"	#2 POZIDRIV Power Bit x 6"
#2 POZIDRIV Power Bit x 2"	T15 TORX® Power Bit x 6"
#3 POZIDRIV Power Bit x 2"	T20 TORX® Power Bit x 6"
T8 TORX® Power Bit x 2"	T25 TORX® Power Bit x 6"
T9 TORX® Power Bit x 2"	T27 TORX® Power Bit x 6"
T10 TORX® Power Bit x 2"	T30 TORX® Power Bit x 6"
#1 Phillips Power Bit x $3^{1}/_{2}$"	$^{1}/_{4}$" Socket Adapter x 2"
#2 Phillips Power Bit x $3^{1}/_{2}$"	$^{3}/_{8}$" Socket Adapter x 2"
#3 Phillips Power Bit x $3^{1}/_{2}$"	$^{1}/_{2}$" Socket Adapter x 2"
#2 POZIDRIV Power Bit x $3^{1}/_{2}$"	$^{1}/_{2}$" Magnetic Nutsetter x $1^{7}/_{8}$"
T15 TORX® Power Bit x $3^{1}/_{2}$"	$^{5}/_{16}$" Magnetic Nutsetter x $1^{7}/_{8}$"
T20 TORX® Power Bit x $3^{1}/_{2}$"	$^{3}/_{8}$" Magnetic Nutsetter x $1^{7}/_{8}$"
T25 TORX® Power Bit x $3^{1}/_{2}$"	$2^{1}/_{2}$" Quick Change Adapter
T30 TORX® Power Bit x $3^{1}/_{2}$"	6" Quick Change Adapter

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.

DEWALT



DEW **DW2050**



DEW **DW2045**

BIT TIP HOLDERS

Item No.	Description	Qty.
DEW **DW2046**	2" Magnetic	1
DEW **DW2050**	Quick Change Magnetic	1

EVERCRAFT

1/4 IN. MAGNETIC BIT HOLDER

Serves as an extension for magnetic screwdrivers. Connects $^{1}/_{4}$-inch hex shank insert bits to variable-speed drills.

BK **775-5958**



EVERCRAFT

1/4 & 3/8 IN. DR. BIT HOLDERS

BK **775-5922** $^{1}/_{4}$" Sq. Dr. to $^{1}/_{4}$" Hex
BK **775-5957** $^{3}/_{8}$" Sq. Dr. to $^{5}/_{16}$" Hex



BK **775-5922**



BK **775-5957**

MAGNETIC DRIVE GUIDES



DEW **DW2054**

Item No.	Description	Qty.
DEW **DW2054**	Compact Magnetic Drive Guide	1
DEW **DW2055**	6" Magnetic Drive Guide	1

1/4 IN. IN. BIT DRIVER



Durable chrome vanadium steel construction with comfort-grip handles.

BK **774-5035**

1/4 IN. QUICK-CHANGE BIT CHUCK



Securely holds 1/4-inch insert bits in extensions used with variable-speed drills.

BK **775-5994**

IMPACT SOCKET ADAPTERS



DEW **DW2542IR**

Item No.	Description
DEW **DW2541IR**	1/4" Hex Shank to 1/4" Socket Adapter
DEW **DW2542IR**	1/4" Hex Shank to 3/8" Socket Adapter
DEW **DW2547IR**	1/4" Hex Shank to 1/2" Socket Adapter

RAPID LOAD® QUICK SOCKET ADAPTERS



DEW **DW2541**

Item No.	Description
DEW **DW2541**	1/4" Socket Adapter
DEW **DW2542**	3/8" Socket Adapter

RAPID LOAD® HOLDER

- Pressure-activated ball-groove system for rapid loading and strong retention
- Impact & rust resistant nickel plated nose for extended use
- Stainless steel interior parts for greater durability and magnetic to hold fasteners
- The RAPID LOAD® holder fits all brands of 3/8" and 1/2" cordless and corded drills, as well as 7 in 1 Screwdrivers
- Able to hold 1" bit tips, 1" double ended bit tips and all 1/4" hex shank accessories



DEW **DW2505**



DEW **DW2518**



RAPID LOAD® SETS

Item No.	Description
DEW **DW2518**	30 Pc. Rapid Load® Set
DEW **DW2521**	28 Pc. Rapid Load® Set



DEW **DW2166**

TOUGH CASE® SCREWDRIVING SETS

Item No.	Description
DEW **DW2161**	21 Pc. Screwdriving Set with TOUGH CASE® Container
DEW **DW2162**	29 Pc. Screwdriving Set with TOUGH CASE® Container
DEW **DW2166**	45 Pc. Screwdriving Set with TOUGH CASE® Container



DEW **DW2067**

SPECIALTY BIT PACKS

Item No.	Description	Includes
DEW **DW2067**	7 Pc. Star Bit Set	T10, T15, T20, T25, T27, T30, T40
DEW **DW2068**	9 Pc. 1" Hex Bit Set	5/64", 3/32", 7/64", 1/16", 1/8", 9/64", 5/32", 3/16", 1/4"

42 PC. INSERT BIT SET



BK **775-1566**

Contents

Description
Adapter
1" Hex, 5/64"
1" Hex, 3/32"
1" Hex, 7/64"
1" Hex, 1/8"
1" Hex, 9/64"
1" Hex, 3mm
1" Hex, 4mm
1" Hex, 5mm
1" Hex, 6mm
1" Phillips, #0
1" Phillips, #1
1" Phillips, #2
1" Phillips, #3
1" Pozi, PZ0
1" Pozi, PZ1
1" Pozi, PZ2
1" Pozi, PZ3
1" Slotted, 0-1
1" Slotted, 3-4
1" Slotted, 5-6
1" Slotted, 8-10

Description
1" Slotted, 12-14
1" Square, S0
1" Square, S1
1" Square, S2
1" Square, S3
1" Star, Tamperproof T-6H
1" Star, Tamperproof T-7H
1" Star, Tamperproof T-8H
1" Star, Tamperproof T-9H
1" Star, Tamperproof T-10H
1" Star, Tamperproof T-15H
1" Star, Tamperproof T-20H
1" Star, Tamperproof T-25H
1" Star, Tamperproof T-27H
1" Star, Tamperproof T-30H
1" Star, Tamperproof T-40H
2" Phillips, #2
2" Slotted, 6-8
Chuck, 1/4" Quick-Change
Driver, 1/4" Comfort-Grip

EVERCRAFT



33 PC. INSERT BIT SET

BK **775-1562**

Contents

Qty.	Description
1	1" Hex, 5/32"
1	1" Hex, 3/16"
1	1" Hex, 7/32"
1	1" Hex, 1/4"
1	1" Phillips, #1
2	1" Phillips, #2
1	1" Phillips, #3
1	1" Slotted, 6-8
1	1" Slotted, 8-10
1	1" Slotted, 10-12
1	1" Square, #1
1	1" Square, #2
1	1" Square, #3
1	1" Torx, T10
1	1" Torx, T15
1	1" Torx, T25
1	1" Torx, T20
1	1" Torx, T30
1	1" Torx, T40
1	2" Phillips, #1
1	2" Phillips, #2
1	2" Phillips, #3
1	2" Slotted, 6-8
1	2" Slotted, 8-10
1	2" Slotted, 10-12
1	2" Torx, T27
1	2" Torx, T30
1	2" Torx, T40
1	Extension, Super-Magnetic Zinc Bit
3	PE Holder

EVERCRAFT



32 PC. 1/4 IN. DR. INSERT BIT SET

BK **775-1561**

Contents

Description	Description
Adapter	Square, #1
Driver, 1/4"	Square, #2
Hex, 5/32"	Square, #3
Hex, 3/16"	Torx, T10
Hex, 7/32"	Torx, T15
Hex, 1/4"	Torx, T20
Phillips, #1	Torx, T25
Phillips, #2	Torx, T27
Phillips, #3	Torx, T30
Phillips, Power #2	Torx, T40
Phillips, Power #3	Torx, Power T10
Slotted, 6-8	Torx, Power T15
Slotted, 8-10	Torx, Power T20
Slotted, 10-12	Torx, Power T25
Slotted, Power 8-10	Torx, Power T30
Slotted, Power 10-12	Blow Mold Case

EVERCRAFT



6 PC. 1/4 IN. DR. BIT SET

BK **775-1565**

Contents

Description	Description
Phillips, #1	Slotted, 8-10
Phillips, #2	Slotted, 10-12
Phillips, #3	PE Holder, Black
Slotted, 6-8	

DEWALT



DEW **DW2022**

POWER BITS

Item No.	Description	Length	Qty.
Phillips Power Bits			
DEW **DW2021**	#1 Phillips	2"	1
DEW **DW2022**	#2 Phillips	2"	1
DEW **DW2115**	#2 Phillips - Multi-Pack	2"	5
DEW **DW2023**	#3 Phillips	2"	1
DEW **DW2031**	#1 Phillips	3 1/2"	1
DEW **DW2032**	#2 Phillips	3 1/2"	1
DEW **DW2033**	#3 Phillips	3 1/2"	1
DEW **DW2061**	#1 Phillips	6"	1
DEW **DW2062**	#2 Phillips	6"	1
DEW **DW2063**	#3 Phillips	6"	1
DEW **DW2022B6**	#1 Phillips	2"	6
Deck Power Bits			
DEW **DW2021**	Deck	2"	3
Slotted Power Bits			
DEW **DW2015**	#6 Slotted	2"	1
DEW **DW2016**	#8 Slotted	2"	1
DEW **DW2017**	#10 Slotted	2"	1
DEW **DW2036**	#6 Slotted	3 1/2"	1
DEW **DW2038**	#8 Slotted	3 1/2"	1
DEW **DW2040**	#10 Slotted	3 1/2"	1
DEW **DW2065**	#8 Slotted	6"	1
Square Recess Power Bits			
DEW **DW2211**	#1 Square Recess	2"	1
DEW **DW2212**	#2 Square Recess	2"	1
DEW **DW2213**	#3 Square Recess	2"	1
DEW **DW2231**	#1 Square Recess	3 1/2"	1
DEW **DW2232**	#2 Square Recess	3 1/2"	1
DEW **DW2262**	#2 Square Recess	6"	1
Star Power Bit			
DEW **DW2648**	T15 Star	2"	1
DEW **DW2660**	T20 Star	2"	1
DEW **DW2665**	T25 Star	2"	1
DEW **DW2670**	T30 Star	2"	1

DEWALT



DEW **DW2024**

DOUBLE ENDED BITS

Item No.	Description	Qty.
DEW **DW2024**	PH#2/SL#8	1
DEW **DW2028**	PH#2/PH#2	1
DEW **DW2029**	PH#2/PH#2	5
DEW **DW2215**	PH#2/SQ#2	3
DEW **DW2024B6**	PH#2/SL#6	6
DEW **DW2028B6**	PH#2/PH#2	6

EVERCRAFT™


BK 775-5920


BK 775-5926


BK 775-5900


BK 775-5913

1/4 IN. DR. INSERT BITS

These 1/4-inch hex bits fit magnetic screwdriver handles. Length: 1". Card of two.


BK 775-5903


BK 775-5923


BK 775-5911

Item No.	Description
BK 775-5920	Clutch, 5/32"
BK 775-5921	Clutch, 3/16"
BK 775-5926	Hex, 1/8"
BK 775-5927	Hex, 9/64"
BK 775-5928	Hex, 5/32"
BK 775-5929	Hex, 3/16"
BK 775-5930	Hex, 7/32"
BK 775-5931	Hex, 1/4"
BK 775-5932	Hex, 5/16"
BK 775-5900	Phillips, #1
BK 775-5901	Phillips, #2
BK 775-5902	Phillips, #3
BK 775-5913	Robertson, #1 & #2
BK 775-5903	Slotted, 3-4
BK 775-5904	Slotted, 4-5
BK 775-5905	Slotted, 5-6
BK 775-5906	Slotted, 6-8
BK 775-5907	Slotted, 8-10
BK 775-5908	Slotted, 10-12
BK 775-5923	Square, #1
BK 775-5924	Square, #2
BK 775-5925	Square, #3

Item No.	Description
BK 775-5909	Star, T-7
BK 775-5910	Star, T-8
BK 775-5911	Star, T-9
BK 775-5912	Star, T-10
BK 775-5914	Star, T-15
BK 775-5915	Star, T-20
BK 775-5916	Star, T-25
BK 775-5917	Star, T-27
BK 775-5918	Star, T-30
BK 775-5919	Star, T-40
BK 775-5933	Star, Tamper-proof T-10H
BK 775-5934	Star, Tamper-proof T-15H
BK 775-5935	Star, Tamper-proof T-20H
BK 775-5936	Star, Tamper-proof T-25H
BK 775-5937	Star, Tamper-proof T-27H
BK 775-5938	Star, Tamper-proof T-30H
BK 775-5939	Star, Tamper-proof T-40H

1/4 IN. DR. INSERT BITS

Bit Length: 4".

Item No.	Description
BK 775-5995	Phillips #1, 100mm
BK 775-5996	Phillips #2, 100mm
BK 775-5997	Slotted 6-8, 100mm
BK 775-5998	Slotted 8-10, 100mm


BK 775-5995


BK 775-5997

5/16 IN. DR. INSERT BITS

Length: 2".

Item No.	Description
BK 775-5977	Hex, 1/4"
BK 775-5985	Slotted, 12-14
BK 775-5968	Star, T-45
BK 775-5969	Star, T-47
BK 775-5970	Star, T-50
BK 775-5971	Star, T-55


BK 775-5977


BK 775-5985


BK 775-5968


BK 775-5989


BK 775-5992


BK 775-5972


BK 775-5978


BK 775-5990


BK 775-5982


BK 775-5986


BK 775-5961

1/4 IN. DR. INSERT BITS

Length: 2".

Item No.	Description
BK 775-5989	Adapter
BK 775-5992	Combo Double End, 6-8 Slotted (7/32") x #2 Phillips
BK 775-5993	Combo Double End, 8-10 Slotted (9/32") x #3 Phillips
BK 775-5972	Hex 1/8"
BK 775-5973	Hex 5/32"
BK 775-5974	Hex 3/16"
BK 775-5975	Hex 7/32"
BK 775-5976	Hex 1/4"
BK 775-5978	Phillips #1
BK 775-5979	Phillips #2
BK 775-5980	Phillips #3
BK 775-5981	Phillips #4

Item No.	Description
BK 775-5990	Phillips Double End, #2 x #2
BK 775-5991	Phillips Double End, #3 x #3
BK 775-5982	Slotted 6-8
BK 775-5983	Slotted 8-10
BK 775-5984	Slotted 10-12
BK 775-5986	Square #1
BK 775-5987	Square #2
BK 775-5988	Square #3
BK 775-5961	Star T-10
BK 775-5962	Star T-15
BK 775-5963	Star T-20
BK 775-5964	Star T-25
BK 775-5965	Star T-27
BK 775-5966	Star T-30
BK 775-5967	Star T-40

5/16 IN. DR. INSERT BITS

These 5/16-inch hex bits fit magnetic screwdriver handles. Length: 1". Card of two.


BK 775-5943


BK 775-5947


BK 775-5951

Item No.	Description
BK 775-5943	Phillips, #1
BK 775-5944	Phillips, #2
BK 775-5945	Phillips, #3
BK 775-5946	Phillips, #4
BK 775-5947	Slotted, 4-5
BK 775-5948	Slotted, 6-8
BK 775-5949	Slotted, 8-10
BK 775-5950	Slotted, 12-14
BK 775-5951	Star, T-30
BK 775-5952	Star, T-40

Item No.	Description
BK 775-5953	Star, T-45
BK 775-5954	Star, T-47
BK 775-5955	Star, T-50
BK 775-5956	Star, T-55
BK 775-5940	Star, Tamper-proof T-45H
BK 775-5941	Star, Tamper-proof T-50H
BK 775-5942	Star, Tamper-proof T-55H

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA

www.carlyletools.com/products/bit-sockets



46 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR / BIT SOCKET SET

Patented S-2 steel for superior durability and strength. Includes blow molded case.

CHT **BSTIB46**

Contents

Item No.	Description
CHT **S14T8**	1/4" Dr. T-8 Star
CHT **S14T10**	1/4" Dr. T-10 Star
CHT **S14T15**	1/4" Dr. T-15 Star
CHT **S14T20**	1/4" Dr. T-20 Star
CHT **S14T25**	1/4" Dr. T-25 Star
CHT **S14T27**	1/4" Dr. T-27 Star
CHT **S38T30**	3/8" Dr. T-30 Star
CHT **S38T40**	3/8" Dr. T-40 Star
CHT **S38T45**	3/8" Dr. T-45 Star
CHT **S38T50**	3/8" Dr. T-50 Star
CHT **S38T55**	3/8" Dr. T-55 Star
CHT **S12T60**	1/2" Dr. T-60 Star
CHT **S14T8H**	1/4" Dr. T-8H Tamper-Proof Star
CHT **S14T10H**	1/4" Dr. T-10H Tamper-Proof Star
CHT **S14T15H**	1/4" Dr. T-15H Tamper-Proof Star
CHT **S14T20H**	1/4" Dr. T-20H Tamper-Proof Star
CHT **S14T25H**	1/4" Dr. T-25H Tamper-Proof Star
CHT **S14T27H**	1/4" Dr. T-27H Tamper-Proof Star
CHT **S38T30H**	3/8" Dr. T-30H Tamper-Proof Star
CHT **S38T40H**	3/8" Dr. T-40H Tamper-Proof Star
CHT **S38T45H**	3/8" Dr. T-45H Tamper-Proof Star
CHT **S38T50H**	3/8" Dr. T-50H Tamper-Proof Star
CHT **S38T55H**	3/8" Dr. T-55H Tamper-Proof Star
CHT **S14E4**	1/4" Dr. E-4 External Star Socket
CHT **S14E5**	1/4" Dr. E-5 External Star Socket
CHT **S14E6**	1/4" Dr. E-6 External Star Socket
CHT **S14E7**	1/4" Dr. E-7 External Star Socket
CHT **S14E8**	1/4" Dr. E-8 External Star Socket
CHT **S38E10**	3/8" Dr. E-10 External Star Socket
CHT **S38E12**	3/8" Dr. E-12 External Star Socket
CHT **S38E14**	3/8" Dr. E-14 External Star Socket
CHT **S38E16**	3/8" Dr. E-16 External Star Socket
CHT **S12E18**	1/2" Dr. E-18 External Star Socket
CHT **S12E20**	1/2" Dr. E-20 External Star Socket
CHT **S14TP8**	1/4" Dr. TP-8 Star Plus
CHT **S14TP10**	1/4" Dr. TP-10 Star Plus
CHT **S14TP15**	1/4" Dr. TP-15 Star Plus
CHT **S14TP20**	1/4" Dr. TP-20 Star Plus
CHT **S14TP25**	1/4" Dr. TP-25 Star Plus
CHT **S14TP27**	1/4" Dr. TP-27 Star Plus
CHT **S38TP30**	3/8" Dr. TP-30 Star Plus
CHT **S38TP40**	3/8" Dr. TP-40 Star Plus
CHT **S38TP45**	3/8" Dr. TP-45 Star Plus
CHT **S38TP50**	3/8" Dr. TP-50 Star Plus
CHT **S38TP55**	3/8" Dr. TP-55 Star Plus
CHT **S12TP60**	1/2" Dr. TP-60 Star Plus



41 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR / HEX SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSTH41**

Contents

Item No.	Description
CHT **S14T8**	1/4" Dr. T-8 Star
CHT **S14T10**	1/4" Dr. T-10 Star
CHT **S14T15**	1/4" Dr. T-15 Star
CHT **S14T20**	1/4" Dr. T-20 Star
CHT **S14T25**	1/4" Dr. T-25 Star
CHT **S14T27**	1/4" Dr. T-27 Star
CHT **S38T30**	3/8" Dr. T-30 Star
CHT **S38T40**	3/8" Dr. T-40 Star
CHT **S38T45**	3/8" Dr. T-45 Star
CHT **S38T50**	3/8" Dr. T-50 Star
CHT **S38T55**	3/8" Dr. T-55 Star
CHT **S12T60**	1/2" Dr. T-60 Star
CHT **S14T8H**	1/4" Dr. T-8H Tamper-Proof Star
CHT **S14T10H**	1/4" Dr. T-10H Tamper-Proof Star
CHT **S14T15H**	1/4" Dr. T-15H Tamper-Proof Star
CHT **S14T20H**	1/4" Dr. T-20H Tamper-Proof Star
CHT **S14T25H**	1/4" Dr. T-25H Tamper-Proof Star
CHT **S14T27H**	1/4" Dr. T-27H Tamper-Proof Star
CHT **S38T30H**	3/8" Dr. T-30H Tamper-Proof Star
CHT **S38T40H**	3/8" Dr. T-40H Tamper-Proof Star
CHT **S38T45H**	3/8" Dr. T-45H Tamper-Proof Star
CHT **S38T50H**	3/8" Dr. T-50H Tamper-Proof Star
CHT **S38T55H**	3/8" Dr. T-55H Tamper-Proof Star
CHT **SH3804**	3/8" Dr. 1/8" Hex
CHT **SH3805**	3/8" Dr. 5/32" Hex
CHT **SH3806**	3/8" Dr. 3/16" Hex
CHT **SH3807**	3/8" Dr. 7/32" Hex
CHT **SH3808**	3/8" Dr. 1/4" Hex
CHT **SH3810**	3/8" Dr. 5/16" Hex
CHT **SH3812**	3/8" Dr. 3/8" Hex
CHT **SH3804M**	3/8" Dr. 4mm Hex
CHT **SH3805M**	3/8" Dr. 5mm Hex
CHT **SH3806M**	3/8" Dr. 6mm Hex
CHT **SH3807M**	3/8" Dr. 7mm Hex
CHT **SH3808M**	3/8" Dr. 8mm Hex
CHT **SH3809M**	3/8" Dr. 9mm Hex
CHT **SH3810M**	3/8" Dr. 10mm Hex
CHT **SH1212M**	1/2" Dr. 12mm Hex
CHT **SH1214M**	1/2" Dr. 14mm Hex
CHT **SH1217M**	1/2" Dr. 17mm Hex
CHT **SH1219M**	1/2" Dr. 19mm Hex

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA



13 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR BIT SOCKET SET

CHT **BST13**

Contents

Item No.	Description	Item No.	Description
CHT **S14T8**	1/4" Dr. T-8	*CHT* **S38T40**	3/8" Dr. T-40
CHT **S14T10**	1/4" Dr. T-10	*CHT* **S38T45**	3/8" Dr. T-45
CHT **S14T15**	1/4" Dr. T-15	*CHT* **S38T47**	3/8" Dr. T-47
CHT **S14T20**	1/4" Dr. T-20	*CHT* **S38T50**	3/8" Dr. T-50
CHT **S14T25**	1/4" Dr. T-25	*CHT* **S38T55**	3/8" Dr. T-55
CHT **S14T27**	1/4" Dr. T-27	*CHT* **S12T60**	1/2" Dr. T-60
CHT **S38T30**	3/8" Dr. T-30		

EVERCRAFT



12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR BIT SOCKET SET

Chrome plated steel sockets resists rust while precision designed bit tips ensure accurate fastener fit.

BK **774-2014**

Contents

Item No.	Description	Item No.	Description
BK **774-2002**	1/4" Dr. T8	*BK* **774-2008**	3/8" Dr. T30
BK **774-2003**	1/4" Dr. T10	*BK* **774-2009**	3/8" Dr. T40
BK **774-2004**	1/4" Dr. T15	*BK* **774-2010**	3/8" Dr. T45
BK **774-2005**	1/4" Dr. T20	*BK* **774-2011**	3/8" Dr. T50
BK **774-2006**	1/4" Dr. T25	*BK* **774-2012**	3/8" Dr. T55
BK **774-2007**	1/4" Dr. T27	*BK* **774-2013**	1/2" Dr. T60

CARLYLE NAPA



12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. LONG STAR BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed star tips ensure accurate fastener fit. Long star end allows for entry in hard to reach areas. Includes blow molded case.

CHT **BSLT12**

Contents

Item No.	Description	Item No.	Description
CHT **S14LT8**	1/4" Dr. T-8	*CHT* **S38LT30**	3/8" Dr. T-30
CHT **S14LT10**	1/4" Dr. T-10	*CHT* **S38LT40**	3/8" Dr. T-40
CHT **S14LT15**	1/4" Dr. T-15	*CHT* **S12LT45**	1/2" Dr. T-45
CHT **S14LT20**	1/4" Dr. T-20	*CHT* **S12LT50**	1/2" Dr. T-50
CHT **S14LT25**	1/4" Dr. T-25	*CHT* **S12LT55**	1/2" Dr. T-55
CHT **S38LT27**	3/8" Dr. T-27	*CHT* **S12LT60**	1/2" Dr. T-60

CARLYLE NAPA



12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. STAR PLUS BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed star plus tips ensure accurate fastener fit.

CHT **BSTP12**

Contents

Item No.	Description	Item No.	Description
CHT **S14TP8**	1/4" Dr. TP-8	*CHT* **S38TP30**	3/8" Dr. TP-30
CHT **S14TP10**	1/4" Dr. TP-10	*CHT* **S38TP40**	3/8" Dr. TP-40
CHT **S14TP15**	1/4" Dr. TP-15	*CHT* **S38TP45**	3/8" Dr. TP-45
CHT **S14TP20**	1/4" Dr. TP-20	*CHT* **S38TP50**	3/8" Dr. TP-50
CHT **S14TP25**	1/4" Dr. TP-25	*CHT* **S38TP55**	3/8" Dr. TP-55
CHT **S14TP27**	1/4" Dr. TP-27	*CHT* **S12TP60**	1/2" Dr. TP-60

CARLYLE NAPA



13 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. TAMPER-PROOF STAR BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed tamper proof star tips ensure accurate fastener fit.

CHT **BSTH13**

Contents

Item No.	Description	Item No.	Description
CHT **S14T7H**	1/4" Dr. T-7H	*CHT* **S38T30H**	3/8" Dr. T-30H
CHT **S14T8H**	1/4" Dr. T-8H	*CHT* **S38T40H**	3/8" Dr. T-40H
CHT **S14T10H**	1/4" Dr. T-10H	*CHT* **S38T45H**	3/8" Dr. T-45H
CHT **S14T15H**	1/4" Dr. T-15H	*CHT* **S38T50H**	3/8" Dr. T-50H
CHT **S14T20H**	1/4" Dr. T-20H	*CHT* **S38T55H**	3/8" Dr. T-55H
CHT **S14T25H**	1/4" Dr. T-25H	*CHT* **S12T60H**	1/2" Dr. T-60H
CHT **S14T27H**	1/4" Dr. T-27H		

OTC



12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. BULLET-PROOF STAR BIT SET

BK **825-4010**

Contents

Description	Description
1/4" Dr., T10	3/8" Dr., T40
1/4" Dr., T15	3/8" Dr., T45
1/4" Dr., T20	3/8" Dr., T47
1/4" Dr., T25	3/8" Dr., T50
1/4" Dr., T27	3/8" Dr., T55
1/4" Dr., T30	1/2" Dr., T60

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA



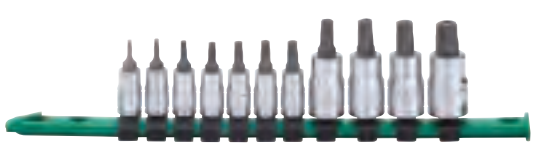
23 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. MASTER STAR TAMPER-PROOF 5 STAR PLUS SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSTP23**

Contents

Item No.	Description
CHT **S14TP8**	1/4" Dr. TP-8 Star Plus
CHT **S14TP10**	1/4" Dr. TP-10 Star Plus
CHT **S14TP15**	1/4" Dr. TP-15 Star Plus
CHT **S14TP20**	1/4" Dr. TP-20 Star Plus
CHT **S14TP25**	1/4" Dr. TP-25 Star Plus
CHT **S14TP27**	1/4" Dr. TP-27 Star Plus
CHT **S38TP30**	3/8" Dr. TP-30 Star Plus
CHT **S38TP40**	3/8" Dr. TP-40 Star Plus
CHT **S38TP45**	3/8" Dr. TP-45 Star Plus
CHT **S38TP50**	3/8" Dr. TP-50 Star Plus
CHT **S38TP55**	3/8" Dr. TP-55 Star Plus
CHT **S12TP60**	1/2" Dr. TP-60 Star Plus
CHT **S14TS8H**	1/4" Dr. TS-8H Tamper-Proof 5 Star Plus
CHT **S14TS10H**	1/4" Dr. TS-10H Tamper-Proof 5 Star Plus
CHT **S14TS15H**	1/4" Dr. TS-15H Tamper-Proof 5 Star Plus
CHT **S14TS20H**	1/4" Dr. TS-20H Tamper-Proof 5 Star Plus
CHT **S14TS25H**	1/4" Dr. TS-25H Tamper-Proof 5 Star Plus
CHT **S14TS27H**	1/4" Dr. TS-27H Tamper-Proof 5 Star Plus
CHT **S14TS30H**	1/4" Dr. TS-30H Tamper-Proof 5 Star Plus
CHT **S38TS40H**	3/8" Dr. TS-40H Tamper-Proof 5 Star Plus
CHT **S38TS45H**	3/8" Dr. TS-45H Tamper-Proof 5 Star Plus
CHT **S38TS50H**	3/8" Dr. TS-50H Tamper-Proof 5 Star Plus
CHT **S38TS55H**	3/8" Dr. TS-55H Tamper-Proof 5 Star Plus



11 PC. 1/4 IN. & 3/8 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed tamper proof star plus tips ensure accurate fastener fit.

CHT **BSTTP11**

Contents

Item No.	Description
CHT **S14TS8H**	1/4" Dr. TS-8H
CHT **S14TS10H**	1/4" Dr. TS-10H
CHT **S14TS15H**	1/4" Dr. TS-15H
CHT **S14TS20H**	1/4" Dr. TS-20H
CHT **S14TS25H**	1/4" Dr. TS-25H
CHT **S14TS27H**	1/4" Dr. TS-27H
CHT **S14TS30H**	1/4" Dr. TS-30H
CHT **S38TS40H**	3/8" Dr. TS-40H
CHT **S38TS45H**	3/8" Dr. TS-45H
CHT **S38TS50H**	3/8" Dr. TS-50H
CHT **S38TS55H**	3/8" Dr. TS-55H



11 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. EXTERNAL STAR BIT SOCKET SET

Mirror polish chrome-plated socket resists rust. Precision designed external star tips ensure accurate fastener fit.

CHT **BSET11**

Contents

Item No.	Description
CHT **S14E4**	1/4" Dr. E-4
CHT **S14E5**	1/4" Dr. E-5
CHT **S14E6**	1/4" Dr. E-6
CHT **S14E7**	1/4" Dr. E-7
CHT **S14E8**	1/4" Dr. E-8
CHT **S38E10**	3/8" Dr. E-10
CHT **S38E12**	3/8" Dr. E-12
CHT **S38E14**	3/8" Dr. E-14
CHT **S38E16**	3/8" Dr. E-16
CHT **S12E18**	1/2" Dr. E-18
CHT **S12E20**	1/2" Dr. E-20



42 PC. 1/4 IN. & 3/8 IN. DR. MASTER HEX BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed bit tips ensure accurate fastener fit. Includes blow molded case.

CHT **BSH42**

Contents

Item No.	Description
CHT **SHS1404**	1/4" Dr. 1/8" Stubby
CHT **SHS1405**	1/4" Dr. 5/32" Stubby
CHT **SHS1406**	1/4" Dr. 3/16" Stubby
CHT **SHS3807**	3/8" Dr. 7/32" Stubby
CHT **SHS3808**	3/8" Dr. 1/4" Stubby
CHT **SHS3810**	3/8" Dr. 5/16" Stubby
CHT **SHS3812**	3/8" Dr. 3/8" Stubby
CHT **SHS1404M**	1/4" Dr. 4mm Stubby
CHT **SHS1405M**	1/4" Dr. 5mm Stubby
CHT **SHS1406M**	1/4" Dr. 6mm Stubby
CHT **SHS3807M**	3/8" Dr. 7mm Stubby
CHT **SHS3808M**	3/8" Dr. 8mm Stubby
CHT **SHS3809M**	3/8" Dr. 9mm Stubby
CHT **SHS3810M**	3/8" Dr. 10mm Stubby
CHT **SH3804**	3/8" Dr. 1/8"
CHT **SH3805**	3/8" Dr. 5/32"
CHT **SH3806**	3/8" Dr. 3/16"
CHT **SH3807**	3/8" Dr. 7/32"
CHT **SH3808**	3/8" Dr. 1/4"
CHT **SH3810**	3/8" Dr. 5/16"
CHT **SH3812**	3/8" Dr. 3/8"
CHT **SH3804M**	3/8" Dr. 4mm
CHT **SH3805M**	3/8" Dr. 5mm
CHT **SH3806M**	3/8" Dr. 6mm
CHT **SH3807M**	3/8" Dr. 7mm
CHT **SH3808M**	3/8" Dr. 8mm
CHT **SH3809M**	3/8" Dr. 9mm
CHT **SH3810M**	3/8" Dr. 10mm
CHT **SHL3804**	3/8" Dr. 1/8" Long
CHT **SHL3805**	3/8" Dr. 5/32" Long
CHT **SHL3806**	3/8" Dr. 3/16" Long
CHT **SHL3807**	3/8" Dr. 7/32" Long
CHT **SHL3808**	3/8" Dr. 1/4" Long
CHT **SHL3810**	3/8" Dr. 5/16" Long
CHT **SHL3812**	3/8" Dr. 3/8" Long
CHT **SHL3804M**	3/8" Dr. 4mm Long
CHT **SHL3805M**	3/8" Dr. 5mm Long
CHT **SHL3806M**	3/8" Dr. 6mm Long
CHT **SHL3807M**	3/8" Dr. 7mm Long
CHT **SHL3808M**	3/8" Dr. 8mm Long
CHT **SHL3809M**	3/8" Dr. 9mm Long
CHT **SHL3810M**	3/8" Dr. 10mm Long

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA



SAE

8 PC. 1/4 IN. & 3/8 IN. DR. STUBBY HEX BIT SOCKET SET

Half-cut mirror polish chrome-plated sockets resist rust while precision designed stubby hex tips ensure accurate fastener fit.

CHT **BSSH8**

Contents

Item No.	Description	Item No.	Description
CHT **SHS1404**	1/4" Dr. 1/8"	*CHT* **SHS3807**	3/8" Dr. 7/32"
CHT **SHS14045**	1/4" Dr. 9/64"	*CHT* **SHS3808**	3/8" Dr. 1/4"
CHT **SHS1405**	1/4" Dr. 5/32"	*CHT* **SHS3810**	3/8" Dr. 5/16"
CHT **SHS1406**	1/4" Dr. 3/16"	*CHT* **SHS3812**	3/8" Dr. 3/8"



MET

8 PC. 1/4 IN. & 3/8 IN. DR. STUBBY HEX BIT SOCKET SET

Half-cut mirror polish chrome-plated sockets resist rust while precision designed stubby hex tips ensure accurate fastener fit.

CHT **BSSH8M**

Contents

Item No.	Description	Item No.	Description
CHT **SHS1403M**	1/4" Dr. 3mm	*CHT* **SHS3807M**	3/8" Dr. 7mm
CHT **SHS1404M**	1/4" Dr. 4mm	*CHT* **SHS3808M**	3/8" Dr. 8mm
CHT **SHS1405M**	1/4" Dr. 5mm	*CHT* **SHS3809M**	3/8" Dr. 9mm
CHT **SHS1406M**	1/4" Dr. 6mm	*CHT* **SHS3810M**	3/8" Dr. 10mm



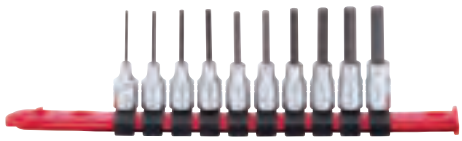
8 PC. 3/8 IN. & 1/2 IN. DR. LONG TRIPLE SQUARE BIT SOCKET SET

Mirror polish chrome-plated sockets resist rust while precision designed hex tips ensure accurate fastener fit. Long triple square end allows for entry in hard to reach areas.

CHT **BSLTS8**

Contents

Item No.	Description	Item No.	Description
CHT **SLTS3804M**	3/8" Dr. 4mm	*CHT* **SLTS3810M**	3/8" Dr. 10mm
CHT **SLTS3805M**	3/8" Dr. 5mm	*CHT* **SLTS1212M**	1/2" Dr. 12mm
CHT **SLTS3806M**	3/8" Dr. 6mm	*CHT* **SLTS1214M**	1/2" Dr. 14mm
CHT **SLTS3808M**	3/8" Dr. 8mm	*CHT* **SLTS1216M**	1/2" Dr. 16mm



SAE

CHT **BSH1410**

MET

CHT **BSH1407M**





CHT **SH1404** *CHT* **SH1404M** *CHT* **SHS1405** *CHT* **SHS1405M**

1/4 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* **BSH1410** 10 Pc. Hex Bit Set w/Rail	*CHT* **BSH1407M** 7 Pc. Hex Bit Set w/Rail
Hex Bit Sockets			
CHT **SH1402**	1/16"	•	
CHT **SH14025**	5/64"	•	
CHT **SH1403**	3/32"	•	
CHT **SH14035**	7/64"	•	
CHT **SH1404**	1/8"	•	
CHT **SH14045**	9/64"	•	
CHT **SH1405**	5/32"	•	
CHT **SH1406**	3/16"	•	
CHT **SH1407**	7/32"	•	
CHT **SH1408**	1/4"	•	
CHT **SH14015M**	1.5mm		•
CHT **SH1402M**	2mm		•
CHT **SH14025M**	2.5mm		•
CHT **SH1403M**	3mm		•
CHT **SH1404M**	4mm		•
CHT **SH1405M**	5mm		•
CHT **SH1406M**	6mm		•
Stubby Hex Bit Sockets			
CHT **SHS1404**	1/8"		
CHT **SHS14045**	9/64"		
CHT **SHS1405**	5/32"		
CHT **SHS1406**	3/16"		
CHT **SHS1403M**	3mm		
CHT **SHS1404M**	4mm		
CHT **SHS1405M**	5mm		
CHT **SHS1406M**	6mm		

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT







BK **774-1959** *BK* **774-1954** *BK* **774-1963**

1/4 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*BK* 774-1959 9 Pc. Hex Bit Set w/Rail	*BK* 774-1967 7 Pc. Hex Bit Set w/Rail
BK **774-1950**	1/16"	•	
BK **774-1951**	5/64"	•	
BK **774-1952**	3/32"	•	
BK **774-1953**	7/64"	•	
BK **774-1954**	1/8"	•	
BK **774-1955**	5/32"	•	
BK **774-1956**	3/16"	•	
BK **774-1957**	7/32"	•	
BK **774-1958**	1/4"	•	
BK **774-1960**	1.5 mm		•
BK **774-1961**	2 mm		•
BK **774-1962**	2.5 mm		•
BK **774-1963**	3 mm		•
BK **774-1964**	4 mm		•
BK **774-1965**	5 mm		•
BK **774-1966**	6 mm		•

CARLYLE NAPA

1/4 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Sockets	
CHT **S14T8**	T-8
CHT **S14T10**	T-10
CHT **S14T15**	T-15
CHT **S14T20**	T-20
CHT **S14T25**	T-25
CHT **S14T27**	T-27
Long Star Bit Sockets	
CHT **S14LT8**	T-8
CHT **S14LT10**	T-10
CHT **S14LT15**	T-15
CHT **S14LT20**	T-20
CHT **S14LT25**	T-25



CHT **S14T15**



CHT **S14LT15**

EVERCRAFT

1/4 IN. DR. STAR BIT SOCKETS

Item No.	Size
BK **774-2002**	T8
BK **774-2003**	T10
BK **774-2004**	T15
BK **774-2005**	T20
BK **774-2006**	T25
BK **774-2007**	T2



CARLYLE NAPA

1/4 IN. DR. STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S14TP8**	TP-8
CHT **S14TP10**	TP-10
CHT **S14TP15**	TP-15
CHT **S14TP20**	TP-20
CHT **S14TP25**	TP-25
CHT **S14TP27**	TP-27



CHT **S14TP8**

OTC



9 PC. 1/4 IN. & 3/8 IN. DR. 6 PT. STAR PLUS BIT SET

Less pointed than standard star fasteners.

BK **700-2452**

Contents

Size	Size
TP10	TP30
TP15	TP40
TP20	TP45
TP25	TP50
TP27	

CARLYLE NAPA

1/4 IN. DR. TAMPER-PROOF STAR BIT SOCKETS

Item No.	Size
CHT **S14T7H**	T-7H
CHT **S14T8H**	T-8H
CHT **S14T10H**	T-10H
CHT **S14T15H**	T-15H
CHT **S14T20H**	T-20H
CHT **S14T25H**	T-25H
CHT **S14T27H**	T-27H



CHT **S14T15H**

CARLYLE NAPA

1/4 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S14TS8H**	TS-8H
CHT **S14TS10H**	TS-10H
CHT **S14TS15H**	TS-15H
CHT **S14TS20H**	TS-20H
CHT **S14TS25H**	TS-25H
CHT **S14TS27H**	TS-27H
CHT **S14TS30H**	TS-30H



CHT **S14TS15H**

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT™



8 PC. 1/4 IN. DR. TAMPER-PROOF STAR BIT SET

BK **775-1564**

Contents

Description	Description
Adapter	T25H
Holder, Black PVC	T27H
T10H	T30H
T15H	T40H
T20H	

EVERCRAFT™



8 PC. 1/4 IN. DR. STAR BIT SET

BK **775-1563**

Contents

Description	Description
T10	T30
T15	T40
T20	Adapter, Coupler
T25	Holder, Black PVC
T27	

CARLYLE NAPA

1/4 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S14E4**	E-4
CHT **S14E5**	E-5
CHT **S14E6**	E-6
CHT **S14E7**	E-7
CHT **S14E8**	E-8



CHT **S14E6**

ARMSTRONG INDUSTRIAL HAND TOOLS — MADE IN USA — LIFETIME WARRANTY — MET



10 PC. 3/8 IN. & 1/2 IN. DR. STANDARD LENGTH HEX DRIVER SOCKET SET

- Bits are manufactured to the highest tolerances and specifications for straightness, concentricity, and precise tip fit to the fastener
- Bits are manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat to prevent shattering and premature bit wear
- Bits are retained in the bit holder by a set screw that locks securely into a groove on the bit for positive bit retention as well as simple, easy bit replacement
- Broached hex in the bit holder allows higher torque loads
- EYE-D™ markings optimize size visibility
- Made in the USA - quality and availability

Contents

Item No.	Size	Item No.	Size
AIT **38-707**	3/8" Dr., 4mm	*AIT* **38-713**	3/8" Dr., 8mm
AIT **38-709**	3/8" Dr., 5mm	*AIT* **38-714**	3/8" Dr., 9mm
AIT **38-711**	3/8" Dr., 6mm	*AIT* **39-717**	1/2" Dr., 12mm
AIT **38-712**	3/8", 7mm	*AIT* **39-719**	1/2" Dr., 14mm
AIT **38-715**	3/8" Dr., 10mm	*AIT* **39-722**	1/2" Dr., 17mm

AIT **44-380**

ARMSTRONG INDUSTRIAL HAND TOOLS — MADE IN USA — LIFETIME WARRANTY — SAE



10 PC. 3/8 IN. & 1/2 IN. DR. STANDARD LENGTH HEX DRIVER SOCKET SET

- Bits are manufactured to the highest tolerances and specifications for straightness, concentricity, and precise tip fit to the fastener
- Bits are manufactured from high alloy steel using the most up-to-date manufacturing process and heat treat to prevent shattering and premature bit wear
- Bits are retained in the bit holder by a set screw that locks securely into a groove on the bit for positive bit retention as well as simple, easy bit replacement
- Broached hex in the bit holder allows higher torque loads
- EYE-D™ markings optimize size visibility
- Made in the USA - quality and availability

Contents

Item No.	Size	Item No.	Size
AIT **11-714**	3/8" Dr. 5/16"	*AIT* **11-710**	3/8" Dr., 5/32"
AIT **11-715**	3/8" Dr. 3/8"	*AIT* **11-711**	3/8" Dr., 3/16"
AIT **11-712**	3/8" Dr., 7/32"	*AIT* **12-717**	1/2" Dr., 1/2"
AIT **11-713**	3/8" Dr., 1/4"	*AIT* **12-718**	1/2" Dr., 9/16"
AIT **11-708**	3/8" Dr., 1/8"	*AIT* **12-719**	1/2" Dr., 5/8"

AIT **15-430**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE by NAPA



CHT **BSH3812**



CHT **SH3808**



CHT **SHL3804M**



CHT **BSLH3807M**



CHT **SHS3810**

3/8 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* **BSH3812** 12 Pc. Hex Bit Set w/Rail	*CHT* **BSH3812M** 12 Pc. Hex Bit Set w/Rail	*CHT* **BSLH3807** 7 Pc. Long Hex Bit Set w/Rail	*CHT* **BSLH3807M** 7 Pc. Long Hex Bit Set w/Rail
Hex Bit Sockets					
CHT **SH3802**	1/16"	•			
CHT **SH38025**	5/64"	•			
CHT **SH3803**	3/32"	•			
CHT **SH38035**	7/64"	•			
CHT **SH3804**	1/8"	•			
CHT **SH38045**	9/64"	•			
CHT **SH3805**	5/32"	•			
CHT **SH3806**	3/16"	•			
CHT **SH3807**	7/32"	•			
CHT **SH3808**	1/4"	•			
CHT **SH3810**	5/16"	•			
CHT **SH3812**	3/8"	•			
CHT **SH3802M**	2mm		•		
CHT **SH38025M**	2.5mm		•		
CHT **SH3803M**	3mm		•		
CHT **SH3804M**	4mm		•		
CHT **SH3805M**	5mm		•		
CHT **SH3806M**	6mm		•		
CHT **SH3807M**	7mm		•		
CHT **SH3808M**	8mm		•		
CHT **SH3809M**	9mm		•		
CHT **SH3810M**	10mm		•		
CHT **SH3811M**	11mm		•		
CHT **SH3812M**	12mm		•		
Long Hex Bit Sockets					
CHT **SHL3804**	1/8"			•	
CHT **SHL3805**	5/32"			•	
CHT **SHL3806**	3/16"			•	
CHT **SHL3807**	7/32"			•	
CHT **SHL3808**	1/4"			•	
CHT **SHL3810**	5/16"			•	
CHT **SHL3812**	3/8"			•	
CHT **SHL3804M**	4mm				•
CHT **SHL3805M**	5mm				•
CHT **SHL3806M**	6mm				•
CHT **SHL3807M**	7mm				•
CHT **SHL3808M**	8mm				•
CHT **SHL3809M**	9mm				•
CHT **SHL3810M**	10mm				•
Stubby Hex Bit Sockets					
CHT **SHS3807**	7/32"				
CHT **SHS3808**	1/4"				
CHT **SHS3810**	5/16"				
CHT **SHS3812**	3/8"				
CHT **SHS3807M**	7mm				
CHT **SHS3808M**	8mm				
CHT **SHS3809M**	9mm				
CHT **SHS3810M**	10mm				

WARNING: Always wear protective eyewear when using hand tools and accessories.

EVERCRAFT

3/8 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	*BK* 774-1976 8 Pc. Hex Bit Set w/Rail	*BK* 774-1985 8 Pc. Hex Bit Set w/Rail
BK **774-1968**	1/8"	•	
BK **774-1969**	9/64"	•	
BK **774-1970**	5/32"	•	
BK **774-1971**	3/16"	•	
BK **774-1972**	7/32"	•	
BK **774-1973**	1/4"	•	
BK **774-1974**	5/16"	•	
BK **774-1975**	3/8"	•	
BK **774-1977**	3mm		•
BK **774-1978**	4mm		•
BK **774-1979**	5mm		•
BK **774-1980**	6mm		•
BK **774-1981**	7mm		•
BK **774-1982**	8mm		•
BK **774-1983**	9mm		•
BK **774-1984**	10mm		•



BK **774-1976**



BK **774-1970** *BK* **774-1980**

CARLYLE NAPA

3/8 IN. DR. BALL HEX BIT SOCKETS & SETS

Item No.	Size	*CHT* BSH3807 7 Pc. Ball Hex Bit Set w/Rail	*CHT* BSH3807M 7 Pc. Ball Hex Bit Set w/Rail	*CHT* BSLB3808M 8 Pc. Long Ball Hex Bit Set w/Rail	*CHT* BSLB3807 7 Pc. Long Ball Hex Bit Set w/Rail
Ball Hex Bit Sockets					
CHT **SHB3804**	1/8"	•			
CHT **SHB3805**	5/32"	•			
CHT **SHB3806**	3/16"	•			
CHT **SHB3807**	7/32"	•			
CHT **SHB3808**	1/4"	•			
CHT **SHB3810**	5/16"	•			
CHT **SHB3812**	3/8"	•			
CHT **SHB3804M**	4mm		•		
CHT **SHB3805M**	5mm		•		
CHT **SHB3806M**	6mm		•		
CHT **SHB3807M**	7mm		•		
CHT **SHB3808M**	8mm		•		
CHT **SHB3809M**	9mm		•		
CHT **SHB3810M**	10mm		•		
Long Ball Hex Bit Sockets					
CHT **SHLB3804**	1/8"				•
CHT **SHLB3805**	5/32"				•
CHT **SHLB3806**	3/16"				•
CHT **SHLB3807**	7/32"				•
CHT **SHLB3808**	1/4"				•
CHT **SHLB3810**	5/16"				•
CHT **SHLB3812**	3/8"				•
CHT **SHLB3803M**	3mm			•	
CHT **SHLB3804M**	4mm			•	
CHT **SHLB3805M**	5mm			•	
CHT **SHLB3806M**	6mm			•	
CHT **SHLB3807M**	7mm			•	
CHT **SHLB3808M**	8mm			•	
CHT **SHLB3809M**	9mm			•	
CHT **SHLB3810M**	10mm			•	



CHT **BSH3807**



CHT **SHB3812**



CHT **BSLB3808M**



CHT **SHB3808M**

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE NAPA

3/8 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Sockets	
CHT **S38T30**	T-30
CHT **S38T40**	T-40
CHT **S38T45**	T-45
CHT **S38T47**	T-47
CHT **S38T50**	T-50
CHT **S38T55**	T-55
Long Star Bit Sockets	
CHT **S38LT27**	T-27
CHT **S38LT30**	T-30
CHT **S38LT40**	T-40


CHT **S38T40**


CHT **S38LT30**

EVERCRAFT

3/8 IN. DR. STAR BIT SOCKETS

Item No.	Size
BK **774-2008**	T30
BK **774-2009**	T40
BK **774-2010**	T45
BK **774-2011**	T50
BK **774-2012**	T55
BK **774-2013**	T60


BK **774-2009**

3/8 IN. DR. STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S38TP30**	TP-30
CHT **S38TP40**	TP-40
CHT **S38TP45**	TP-45
CHT **S38TP50**	TP-50
CHT **S38TP55**	TP-55


CHT **S38TP40**

3/8 IN. DR. TAMPER-PROOF STAR BIT SOCKETS

Item No.	Size
CHT **S38T30H**	T-30H
CHT **S38T40H**	T-40H
CHT **S38T45H**	T-45H
CHT **S38T50H**	T-50H
CHT **S38T55H**	T-55H


CHT **S38T40H**

3/8 IN. DR. TAMPER-PROOF 5 STAR PLUS BIT SOCKETS

Item No.	Size
CHT **S38TS40H**	TS-40H
CHT **S38TS45H**	TS-45H
CHT **S38TS50H**	TS-50H
CHT **S38TS55H**	TS-55H


CHT **S38TS45H**

CARLYLE NAPA

3/8 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S38E10**	E-10
CHT **S38E12**	E-12
CHT **S38E14**	E-14
CHT **S38E16**	E-16


CHT **S38E12**

CARLYLE NAPA


CHT **STS3808M**


CHT **BSTS3808**

3/8 IN. DR. TRIPLE SQUARE BIT SOCKETS & SET

Item No.	Size	*CHT* **BSTS3808** 8 Pc. Set
Triple Square Bit Sockets		
CHT **STS3804M**	4mm	•
CHT **STS3805M**	5mm	•
CHT **STS3806M**	6mm	•
CHT **STS3808M**	8mm	•
CHT **STS3810M**	10mm	•
CHT **STS3812M**	12mm	•
CHT **STS3814M**	14mm	•
CHT **STS3816M**	16mm	•
Long Triple Square Bit Sockets		
CHT **SLTS3804M**	4mm	
CHT **SLTS3805M**	5mm	
CHT **SLTS3806M**	6mm	
CHT **SLTS3808M**	8mm	
CHT **SLTS3810M**	10mm	


CHT **SLTS3808M**

CARLYLE NAPA

3/8 IN. DR. PHILLIPS BIT SOCKETS

Item No.	Size
CHT **SPH3802**	#2
CHT **SPH3803**	#3



WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE



CHT **BSH1207**



CHT **SH1210M**

1/2 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	CHT BSH1210M 10 Pc. Hex Bit Set w/Rail	CHT BSH1207 7 Pc. Hex Bit Set w/Rail
CHT **SH1210**	5/16"		•
CHT **SH1212**	3/8"		•
CHT **SH1214**	7/16"		•
CHT **SH1216**	1/2"		•
CHT **SH1218**	9/16"		•
CHT **SH1220**	5/8"		•
CHT **SH1224**	3/4"		•
CHT **SH1206M**	6mm	•	
CHT **SH1208M**	8mm	•	
CHT **SH1210M**	10mm	•	
CHT **SH1212M**	12mm	•	
CHT **SH1213M**	13mm	•	
CHT **SH1214M**	14mm	•	
CHT **SH1215M**	15mm	•	
CHT **SH1217M**	17mm	•	
CHT **SH1218M**	18mm	•	
CHT **SH1219M**	19mm	•	

EVERCRAFT



BK **774-1993**



BK **774-1997**

1/2 IN. DR. HEX BIT SOCKETS & SETS

Item No.	Size	BK 774-1993 7 Pc. Hex Bit Set w/Rail	BK 774-2001 7 Pc. Hex Bit Set w/Rail
BK **774-1986**	5/16"	•	
BK **774-1987**	3/8"	•	
BK **774-1988**	7/16"	•	
BK **774-1989**	1/2"	•	
BK **774-1990**	9/16"	•	
BK **774-1991**	5/8"	•	
BK **774-1992**	3/4"	•	
BK **774-1994**	6mm		•
BK **774-1995**	8mm		•
BK **774-1996**	10mm		•
BK **774-1997**	12mm		•
BK **774-1998**	14mm		•
BK **774-1999**	17mm		•
BK **774-2000**	19mm		•

CARLYLE



CHT **S12T60**



CHT **S12LT45**

1/2 IN. DR. STAR BIT SOCKETS

Item No.	Size
Star Bit Socket	
CHT **S12T60**	T-60
CHT **S12T70**	T-70
Long Star Bit Sockets	
CHT **S12LT45**	T-45
CHT **S12LT50**	T-50
CHT **S12LT55**	T-55
CHT **S12LT60**	T-60

CARLYLE



1/2 IN. DR. STAR PLUS BIT SOCKET

Item No.	Size
CHT **S12TP60**	T-60

CARLYLE



1/2 IN. DR. TAMPER-PROOF STAR BIT SOCKET

Item No.	Size
CHT **S12T60H**	T-60

CARLYLE



CHT **S12E18**

1/2 IN. DR. EXTERNAL STAR BIT SOCKETS

Item No.	Size
CHT **S12E18**	E-18
CHT **S12E20**	E-20
CHT **S12E22**	E-22
CHT **S12E24**	E-24

CARLYLE



CHT **SLTS1212M**

1/2 IN. DR. TRIPLE SQUARE BIT SOCKETS

Item No.	Size
CHT **SLTS1212M**	12mm
CHT **SLTS1214M**	14mm
CHT **SLTS1216M**	16mm

WARNING: Always wear protective eyewear when using hand tools and accessories.

CARLYLE

CHT **SH3414MRB**

3/4 IN. DR. HEX BIT SOCKETS

Item No.	Size	Replacement Bit Item No.
CHT **SH3414M**	14mm	*CHT* **SH3414MRB**
CHT **SH3417M**	17mm	*CHT* **SH3417MRB**
CHT **SH3419M**	19mm	*CHT* **SH3419MRB**
CHT **SH3422M**	22mm	*CHT* **SH3422MRB**



CHT **SH3414M**

CARLYLE

CHT **S34T60**

3/4 IN. DR. STAR BIT SOCKETS

Item No.	Size	Replacement Bit Item No.
CHT **S34T60**	T60	*CHT* **S34T60RB**
CHT **S34T70**	T70	*CHT* **S34T70RB**
CHT **S34T80**	T80	*CHT* **S34T80RB**
CHT **S34T90**	T90	*CHT* **S34T90RB**
CHT **S34T100**	T100	*CHT* **S34T100RB**



CHT **S34T60RB**

GEARWRENCH



37 PC. GEARWRENCH® ACCESS BIT SET WITH 1/2 IN. REVERSIBLE RATCHETING WRENCHES

The Access Bit Set uses patented adapters that work with 1/4" and 5/16" bits for a wide range of use such as Hex, Torx, Phillips, Slotted and Square bits.

APX **9537**

Contents

Description	Description
APX **9528** 1/2" Combination Ratcheting Wrench	2mm Hex Bit 1/4"
1/4" Access Bit Adapter	2.5mm Hex Bit 1/4"
5/16" Access Bit Adapter	3mm Hex Bit 1/4"
#1 Phillips Bit 1/4"	4mm Hex Bit 1/4"
#2 Phillips Bit 1/4"	5mm Hex Bit 1/4"
#3 Phillips Bit 1/4"	6mm Hex Bit 1/4"
1/4" Slotted Bit 1/4"	7mm Hex Bit 3/8"
9/32" Slotted Bit 1/4"	8mm Hex Bit 3/8"
3/32" Hex Bit 1/4"	10mm Hex Bit 3/8"
7/64" Hex Bit 1/4"	T-10 Torx® Bit 1/4"
1/8" Hex Bit 1/4"	T-15 Torx® Bit 1/4"
9/64" Hex Bit 1/4"	T-20 Torx® Bit 1/4"
5/32" Hex Bit 1/4"	T-25 Torx® Bit 1/4"
3/16" Hex Bit 1/4"	T-27 Torx® Bit 1/4"
7/32" Hex Bit 1/4"	T-30 Torx® Bit 1/4"
1/4" Hex Bit 1/4"	T-40 Torx® Bit 3/8"
5/16" Hex Bit 1/4"	T-45 Torx® Bit 3/8"
3/8" Hex Bit 1/4"	T-50 Torx® Bit 3/8"
	1/4" Dr. Socket Adapter

Torx® is a registered trademark of CAMCAR, Division of TEXTRON, Inc.

GEARWRENCH



1/4 IN. DR. RATCHETING SCREWDRIVER MAGNETIC BIT SHAFT

Item No.	Description
APX **310901GR**	3 1/2" Ratcheting Screwdriver Magnetic Bit Shaft
APX **310902GR**	6" Ratcheting Screwdriver Magnetic Bit Shaft
APX **310903GR**	10" Ratcheting Screwdriver Magnetic Bit Shaft

GEARWRENCH



16 PC. RATCHETING STUBBY HANDLE NUT DRIVER SET

APX **8916**

Contents

Item No.	Description	Item No.	Description
APX **890060GD**	3/16"	*APX* **891050GD**	5mm
APX **890080GD**	1/4"	*APX* **891060GD**	6mm
APX **890100GD**	5/16"	*APX* **891070GD**	7mm
APX **890110GD**	11/32"	*APX* **891080GD**	8mm
APX **890120GD**	3/8"	*APX* **891090GD**	9mm
APX **890140GD**	7/16"	*APX* **891100GD**	10mm
APX **890160GD**	1/2"	*APX* **891110GD**	11mm
		APX **891120GD**	12mm
APX **890005GD**	Stubby Ratcheting Screwdriver Handle		

GEARWRENCH



1/4 IN. DR. RATCHETING SCREWDRIVER SOCKET SHAFT

Item No.	Description
APX **311901GR**	3 1/2" Ratcheting Screwdriver Socket Shaft
APX **311902GR**	6" Ratcheting Screwdriver Socket Shaft
APX **311903GR**	6" Ratcheting Screwdriver Socket Flex-Head Shaft

WARNING: Always wear protective eyewear when using hand tools and accessories.



39 PC. RATCHETING SCREWDRIVER SET

- Precision fine tooth reversible ratcheting mechanism
- Flexible and solid drive shafts
- Premium S2 quality steel bits

APX **8939**

Contents

Item No.	Description
APX **890001GD**	Ratcheting Screwdriver Straight Handle 1/4" Dr.
APX **890002GD**	1/4" Hex Shank Bit Adapter
APX **311904GR**	1/4" Socket Shaft 10"
APX **310901GR**	Magnetic Bit Shaft 1/4" Dr. 3 1/2"
APX **310902GR**	Magnetic Bit Shaft 1/4" Dr. 6"
APX **310903GR**	Magnetic Bit Shaft 1/4" Dr. 10"
APX **311901GR**	Socket Shaft 1/4" Dr. 3 1/2"
APX **311902GR**	Socket Shaft 1/4" Dr. 6"
APX **311903GR**	Flexible Socket Shaft 1/4" Dr. 6"
APX **890003GD**	30 Pc. Bit Set in Box



40 PC. RATCHETING SCREWDRIVER SET

- Precision fine tooth reversible ratcheting mechanism
- Includes straight handle, stubby handle and T-handle
- Flexible and solid drive shafts
- Premium S2 quality steel bits

APX **8940**

Contents

Item No.	Description
APX **890001GD**	Ratcheting Screwdriver Straight Handle 1/4" Dr.
APX **890006GD**	Ratcheting Screwdriver T-Handle 1/4" Dr.
APX **890005GD**	Ratcheting Screwdriver Stubby Handle 1/4" Dr.
APX **890007GD**	Shaft Adapter 1/4" to 1/4"
APX **890008GD**	11" 1/4 Shank 180 Deg Flex Bit Shaft
APX **890009GD**	11" 1/4 Shank 180 Deg Flex Socket Shaft
APX **310901GR**	Magnetic Bit Shaft 1/4" Dr. 3 1/2"
APX **310902GR**	Magnetic Bit Shaft 1/4" Dr. 6"
APX **311901GR**	Socket Shaft 1/4" Dr. 3 1/2"
APX **311902GR**	Socket Shaft 1/4" Dr. 6"
APX **890003GD**	30 Pc. Bit Set in Box

GEARWRENCH



26 PC. RATCHETING SCREWDRIVER SET

APX **8926**

Contents

Item No.	Description	
APX **300900GR**	Ratcheting Screwdriver Handle	
APX **311901GR**	3 1/2" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311902GR**	6" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311904GR**	10" Ratcheting Screwdriver Extension 1/4" Dr.	
APX **311903GR**	6" Ratcheting Screwdriver Flex Extension 1/4" Dr.	
APX **890002GD**	6" Ratcheting Screwdriver Flex Extension 1/4" Dr.	
—	**20 pc. Bits in Case:**	
	3/32" Hex Bit	5/32" Slotted Bit
	1/8" Hex Bit	3/16" Slotted Bit
	5/32" Hex Bit	1/4" Slotted Bit
	3/16" Hex Bit	1/4" Slotted Bit
	1/4" Hex Bit	T-10 Torx® Bit
	5/16" Hex Bit	T-15 Torx® Bit
	#1 Phillips Bit	T-20 Torx® Bit
	#2 Phillips Bit	T-25 Torx® Bit
	#2 Phillips Bit	T-30 Torx® Bit
	#3 Phillips Bit	T-40 Torx® Bit

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APX **890005GD**



APX **890006GD**

RATCHETING SCREWDRIVER HANDLE

APX **890005GD** Stubby
APX **890006GD** T-Handle



NUT DRIVER SHAFTS

Item No.	Description	Item No.	Description
APX **890060GD**	3/16"	*APX* **891060GD**	6mm
APX **890080GD**	1/4"	*APX* **891070GD**	7mm
APX **890100GD**	5/16"	*APX* **891080GD**	8mm
APX **890110GD**	11/32"	*APX* **891090GD**	9mm
APX **890120GD**	3/8"	*APX* **891100GD**	10mm
APX **890140GD**	7/16"	*APX* **891110GD**	11mm
		APX **891120GD**	12mm

CARLYLE® HEX & STAR KEYS

Carlyle professional hex keys contain premium S2 alloy steel that undergoes a special heat treatment to extend strength and maximize durability. Carlyle hex keys are carefully and consistently tested to ensure each model produces the highest amount of torque and tensile strength fit for the most demanding applications. Offering the widest range of coverage for any size and style the application calls for.

www.carlyletools.com/products/hex-keys

L-HANDLE/T-HANDLE

Full range of Hex Keys cover short, long, L-handle, vinyl dip T-handle, hex ball, star, and magnetic hex ball applications. Tools are carefully and consistently tested to produce the highest amount of torque and precision.



VINYL DIPPED T-HANDLES HEX KEYS & SETS

Item No	Size	*CHT* THHS10 10 Pc. Set
CHT **THH25**	5/64"	
CHT **THH3**	3/32"	•
CHT **THH35**	7/64"	•
CHT **THH4**	1/8"	•
CHT **THH45**	9/64"	•
CHT **THH5**	5/32"	•
CHT **THH6**	3/16"	•
CHT **THH7**	7/32"	•
CHT **THH8**	1/4"	•
CHT **THH10**	5/16"	•
CHT **THH12**	3/8"	•

Item No	Size	*CHT* THHS8M 8 Pc. Set
CHT **THH2M**	2mm	•
CHT **THH25M**	2.5mm	•
CHT **THH3M**	3mm	•
CHT **THH4M**	4mm	•
CHT **THH5M**	5mm	•
CHT **THH6M**	6mm	•
CHT **THH8M**	8mm	•
CHT **THH10M**	10mm	•



CHT **THHS10**



SAE *CHT* **THH5**

MET *CHT* **THH5M**

LONG HEX KEYS & SETS

Item No.	Size	*CHT* HKLS22 22 Pc. Set	*CHT* HKLS13 13 Pc. Set	*CHT* HKLMS9 9 Pc. Set
CHT **HKL050**	.050"	•	•	
CHT **HKL2**	1/16"	•	•	
CHT **HKL25**	5/64"	•	•	
CHT **HKL3**	3/32"	•	•	
CHT **HKL35**	7/64"	•	•	
CHT **HKL4**	1/8"	•	•	
CHT **HKL45**	9/64"	•	•	
CHT **HKL5**	5/32"	•	•	
CHT **HKL6**	3/16"	•	•	
CHT **HKL7**	7/32"	•	•	
CHT **HKL8**	1/4"	•	•	
CHT **HKL10**	5/16"	•	•	
CHT **HKL12**	3/8"	•	•	
CHT **HKL14**	7/16"			
CHT **HKL16**	1/2"			
CHT **HKL18**	9/16"			
CHT **HKL20**	5/8"			
CHT **HKL24**	3/4"			
CHT **HKL28**	7/8"			
CHT **HKL32**	1"			
CHT **HKL13M**	1.3mm			
CHT **HKL15M**	1.5mm	•		•
CHT **HKL2M**	2mm	•		•
CHT **HKL25M**	2.5mm	•		•
CHT **HKL3M**	3mm	•		•
CHT **HKL4M**	4mm	•		•
CHT **HKL5M**	5mm	•		•
CHT **HKL6M**	6mm	•		•
CHT **HKL7M**	7mm			
CHT **HKL8M**	8mm	•		•
CHT **HKL9M**	9mm			
CHT **HKL10M**	10mm	•		•
CHT **HKL12M**	12mm			
CHT **HKL14M**	14mm			
CHT **HKL17M**	17mm			
CHT **HKL19M**	19mm			



CHT **HKLS22**



SAE *CHT* **HKL4**



MET *CHT* **HKL4M**

CARLYLE NAPA

LONG HEX BALL KEYS & SETS

Item No.	Size	CHT HKLBS22 22 Pc. Set	CHT HKLBS13 13 Pc. Set	CHT HKLBMS9 9 Pc. Set
CHT HKLB050	.050"	•	•	
CHT HKLB2	1/16"	•	•	
CHT HKLB25	5/64"	•	•	
CHT HKLB3	3/32"	•	•	
CHT HKLB35	7/64"	•	•	
CHT HKLB4	1/8"	•	•	
CHT HKLB45	9/64"	•	•	
CHT HKLB5	5/32"	•	•	
CHT HKLB6	3/16"	•	•	
CHT HKLB7	7/32"	•	•	
CHT HKLB8	1/4"	•	•	
CHT HKLB10	5/16"	•	•	
CHT HKLB12	3/8"	•	•	
CHT HKLB13M	1.3mm			
CHT HKLB15M	1.5mm	•		•
CHT HKLB2M	2mm	•		•
CHT HKLB25M	2.5mm	•		•
CHT HKLB3M	3mm	•		•
CHT HKLB4M	4mm	•		•
CHT HKLB5M	5mm	•		•
CHT HKLB55M	5.5mm			
CHT HKLB6M	6mm	•		•
CHT HKLB7M	7mm			
CHT HKLB8M	8mm	•		•
CHT HKLB10M	10mm	•		•



CHT HKLBS22



CHT HKLB4



MET
CHT HKLB4M

LONG MAGNETIC HEX BALL KEYS & SETS

Item No.	Size	CHT HKLMS13 13 Pc. Set	CHT HKLMMS9 9 Pc. Set
CHT HKLB050*	.050"	•	
CHT HKLB2*	1/16"	•	
CHT HKLB25*	5/64"	•	
CHT HKLB3*	3/32"	•	
CHT HKLB35*	7/64"	•	
CHT HKLM4	1/8"	•	
CHT HKLM45	9/64"	•	
CHT HKLM5	5/32"	•	
CHT HKLM6	3/16"	•	
CHT HKLM7	7/32"	•	
CHT HKLM8	1/4"	•	
CHT HKLM10	5/16"	•	
CHT HKLM12	3/8"	•	
CHT HKLB15M*	1.5mm		•
CHT HKLB2M*	2mm		•
CHT HKLB25M*	2.5mm		•
CHT HKLM3M	3mm		•
CHT HKLM4M	4mm		•
CHT HKLM5M	5mm		•
CHT HKLM6M	6mm		•
CHT HKLM8M	8mm		•
CHT HKLM10M	10mm		•

*** Not Magnetic.***





Magnetic Tip.



SAE
CHT HKLM5



MET
CHT HKLM5M

CARLYLE



CHT **HKSMS9**



CHT **HKS25**



CHT **HKS25M**

SHORT HEX KEYS & SETS

Item No.	Size	*CHT* HKSS13 13 Pc. Set	*CHT* HKSMS9 9 Pc. Set
CHT **HKS028**	.028"		
CHT **HKS035**	.035"		
CHT **HKS050**	.050"	•	
CHT **HKS2**	1/16"	•	
CHT **HKS25**	5/64"	•	
CHT **HKS3**	3/32"	•	
CHT **HKS35**	7/64"	•	
CHT **HKS4**	1/8"	•	
CHT **HKS45**	9/64"	•	
CHT **HKS5**	5/32"	•	
CHT **HKS6**	3/16"	•	
CHT **HKS7**	7/32"	•	
CHT **HKS8**	1/4"	•	
CHT **HKS10**	5/16"	•	
CHT **HKS12**	3/8"	•	
CHT **HKS14**	7/16"		
CHT **HKS16**	1/2"		
CHT **HKS18**	9/16"		
CHT **HKS20**	5/8"		
CHT **HKS24**	3/4"		
CHT **HKS28**	7/8"		
CHT **HKS32**	1"		
CHT **HKS07M**	.7mm		
CHT **HKS09M**	.9mm		
CHT **HKS13M**	1.3mm		
CHT **HKS15M**	1.5mm		•
CHT **HKS2M**	2mm		•
CHT **HKS25M**	2.5mm		•
CHT **HKS3M**	3mm		•
CHT **HKS4M**	4mm		•
CHT **HKS45M**	4.5mm		
CHT **HKS5M**	5mm		•
CHT **HKS55M**	5.5mm		
CHT **HKS6M**	6mm		•
CHT **HKS7M**	7mm		
CHT **HKS8M**	8mm		•
CHT **HKS9M**	9mm		
CHT **HKS10M**	10mm		•
CHT **HKS12M**	12mm		
CHT **HKS14M**	14mm		
CHT **HKS17M**	17mm		
CHT **HKS19M**	19mm		

EVERCRAFT

BALL END HEX KEY SET

Size	*BK* 776-9116 22 Pc. Ball End Hex Key Set
.05"	•
1/16"	•
5/64"	•
3/32"	•
7/64"	•
1/8"	•
9/64"	•
5/32"	•
3/16"	•
7/32"	•
1/4",	•
5/16"	•
3/8"	•
1.5mm	•
2mm	•
2.5mm	•
3mm	•
4mm	•
5mm	•
6mm	•
8mm	•
10mm	•



EVERCRAFT

HEX KEY SET

Size	*BK* 776-9117 22 Pc. Hex Key Set
.05"	•
1/16"	•
5/64"	•
3/32"	•
7/64"	•
1/8"	•
9/64"	•
5/32"	•
3/16"	•
7/32"	•
1/4",	•
5/16"	•
3/8"	•
1.5mm	•
2mm	•
2.5mm	•
3mm	•
4mm	•
5mm	•
6mm	•
8mm	•
10mm	•



CARLYLE by NAPA



CHT **LHHS9**



CHT **LHH5M**

CHT **LHH5**

L-HANDLE HEX KEYS & SETS

Item No.	Size	CHT LHHS9 9 Pc. Set	CHT LHHS8M 8 Pc. Set
CHT **LHH25**	5/64"	•	
CHT **LHH3**	3/32"	•	
CHT **LHH4**	1/8"	•	
CHT **LHH5**	5/32"	•	
CHT **LHH6**	3/16"	•	
CHT **LHH7**	7/32"	•	
CHT **LHH8**	1/4"	•	
CHT **LHH10**	5/16"	•	
CHT **LHH12**	3/8"	•	
CHT **LHH2M**	2mm		•
CHT **LHH25M**	2.5mm		•
CHT **LHH3M**	3mm		•
CHT **LHH4M**	4mm		•
CHT **LHH5M**	5mm		•
CHT **LHH6M**	6mm		•
CHT **LHH8M**	8mm		•
CHT **LHH10M**	10mm		•



CHT **THTS7**



CHT **THT10**

VINYL DIPPED T-HANDLE STAR KEYS & SET

Item No.	Size	CHT THTS7 7 Pc. Set
CHT **THT7**	T7	
CHT **THT8**	T8	
CHT **THT10**	T10	•
CHT **THT15**	T15	•
CHT **THT20**	T20	•
CHT **THT25**	T25	•
CHT **THT30**	T30	•
CHT **THT40**	T40	•
CHT **THT45**	T45	•



CHT **LHHBS9**



CHT **LHHB6**

CHT **LHHB6M**

L-HANDLE HEX BALL KEYS & SETS

Item No.	Size	CHT LHHBS9 9 Pc. Set	CHT LHHBS8M 8 Pc. Set
CHT **LHHB25**	5/64"	•	
CHT **LHHB3**	3/32"	•	
CHT **LHHB4**	1/8"	•	
CHT **LHHB5**	5/32"	•	
CHT **LHHB6**	3/16"	•	
CHT **LHHB7**	7/32"	•	
CHT **LHHB8**	1/4"	•	
CHT **LHHB10**	5/16"	•	
CHT **LHHB12**	3/8"	•	
CHT **LHHB2M**	2mm		•
CHT **LHHB25M**	2.5mm		•
CHT **LHHB3M**	3mm		•
CHT **LHHB4M**	4mm		•
CHT **LHHB5M**	5mm		•
CHT **LHHB6M**	6mm		•
CHT **LHHB8M**	8mm		•
CHT **LHHB10M**	10mm		•

SHORT STAR KEYS & SET

Item No.	Size	CHT TKSS13 13 Pc. Set
CHT **TKS6**	T6	
CHT **TKS7**	T7	•
CHT **TKS8**	T8	•
CHT **TKS9**	T9	•
CHT **TKS10**	T10	•
CHT **TKS15**	T15	•
CHT **TKS20**	T20	•
CHT **TKS25**	T25	•
CHT **TKS27**	T27	•
CHT **TKS30**	T30	•
CHT **TKS40**	T40	•
CHT **TKS45**	T45	•
CHT **TKS50**	T50	•
CHT **TKS55**	T55	•



CHT **TKSS13**



CHT **TKS15**

CARLYLE

MAGNETIC STAR KEYS & SET

Item No.	Size	CHT TKMS9 9 Pc. Set
CHT TKSM10	T10	•
CHT TKSM15	T15	•
CHT TKSM20	T20	•
CHT TKSM25	T25	•
CHT TKSM27	T27	•
CHT TKSM30	T30	•
CHT TKSM40	T40	•
CHT TKSM45	T45	•
CHT TKSM50	T50	•



CHT TKMS9



Magnetic Tip



CHT TKSM15

EVERCRAFT

STAR KEY SET

Size	BK 776-9115 9 Pc. Star Key Set
T10	•
T15	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•
T45	•
T50	•



CARLYLE



CHT LHTS7



CHT LHT8

L-HANDLE STAR KEYS & SET

Item No.	Size	CHT LHTS7 7 Pc. Set
CHT LHT6	T6	
CHT LHT7	T7	
CHT LHT8	T8	
CHT LHT10	T10	•
CHT LHT15	T15	•
CHT LHT20	T20	•
CHT LHT25	T25	•
CHT LHT27	T27	•
CHT LHT30	T30	•
CHT LHT40	T40	•
CHT LHT45	T45	

CARLYLE



CHT HKFS9



CHT HKFMS9

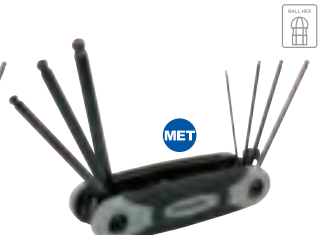
SHORT FOLDING HEX KEY SETS

Size	CHT HKFS9 9 Pc. Short Hex Set	CHT HKFMS9 9 Pc. Short Hex Set
5/64"	•	
3/32"	•	
7/64"	•	
1/8"	•	
9/64"	•	
5/32"	•	
3/16"	•	
7/32"	•	
1/4"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•
8mm		•
10mm		•

EVERCRAFT



BK 776-9121



BK 776-9122

FOLDING BALL END HEX KEY SETS

Size	BK 776-9121 7 Pc. Ball End Hex Key Set	BK 776-9122 7 Pc. Ball End Hex Key Set
1/16"	•	
5/32"	•	
5/64"	•	
3/16"	•	
3/32"	•	
7/32"	•	
1/8"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•

EVERCRAFT



BK **776-9118**



BK **776-9119**

FOLDING HEX KEY SET

Size	*BK* 776-9118 7 Pc. Hex Key Set	*BK* 776-9119 7 Pc. Hex Key Set
1/16"	•	
5/32"	•	
5/64"	•	
3/16"	•	
3/32"	•	
7/32"	•	
1/8"	•	
1.5mm		•
2mm		•
2.5mm		•
3mm		•
4mm		•
5mm		•
6mm		•

CARLYLE NAPA

SHORT FOLDING STAR KEY SET

Size	*CHT* TKFS8 8 Pc. Short Star Set
T9	•
T10	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•



EVERCRAFT

FOLDING STAR KEY SET

Size	*BK* 776-9120 7Pc. Star Key Set
T10	•
T15	•
T20	•
T25	•
T27	•
T30	•
T40	•



DEWALT



FOLDING LOCKING HEX KEYS

- Push-button locking feature locks in 3 positions at 90°, 135° and 180°
- Durable steel side plate for high torque applications
- Includes 8 of the most commonly used hex key sizes

Item No.	Hex Key Shape	Metric/SAE/USS	Weight
DEW **DWHT70262M**	Flat End	SAE	0.68 lbs
DEW **DWHT70263M**	Flat End	Metric	0.68 lbs
DEW **DWHT70264**	Star	Star	0.68 lbs

IRWIN



9-IN-1 MULTI-TOOL

- ProTouch™ Grip for maximum torque
- Internal bit & nut driver storage
- S-2 grade steel for extended life

VG **2051100CD**

IRWIN

8-IN-1 MULTI-TOOL

- Magnetic shank holds bits securely in place
- ProTouch™ Grip provides maximum torque and comfort and is slip resistant
- Internal Storage keeps bits and nut setters locked in place and close at hand

VG **4935586**



CARLYLE NAPA



19-IN-1 RATCHETING DRIVER BIT SET

Includes ratcheting screwdriver handle with storage and features comfort grip handle and CR-V bits for maximum strength and durability. Includes two nut driver sizes on tube (1/4" x 5/16") and nut driver on ratchet (7/16"). Shaft length: 4.5".

CHT **RDBS19**

CARLYLE® NAPA

CARLYLE® HAMMERS

The Carlyle professional hammer program contains a comprehensive line designed to work, designed to excel, and designed to endure in the professional marketplace for years to come. Carlyle hammers are strong, well balanced, and feature shock reduction molded comfort grips, precision one-piece forging, and high grade SAE1055 steel. Consistent 3mm depth heat treatment offers maximum longevity.

www.carlyletools.com/products/hammers

INDESTRUCTIBLE HANDLE HAMMERS

Rubber handles are re-enforced with spring steel bars making the handle indestructible. Special locking plate ensures the hammerhead can never dislodge from the handle. Rubber handle reduces vibration compared to both wood and fiberglass handles.



Indestructible handle hammers recorded 36,000 blows, with no evidence of deformation!



Steel Locking Plate
Eliminates head getting loose or falling apart.



Spring Steel Bars
9/32" Dia., resists over-strike without breaking.



Rubber Handle
Ergonomic rubber handle absorbs impact & vibration.



CHT **HBP214** *CHT* **HBPC4814** *CHT* **HCP2516** *CHT* **HSHBR2516** *CHT* **HCHC2516** *CHT* **HSHSF830** *CHT* **HSHC824** *CHT* **HSH2512**

Item No.	Description	Length	Weight	Ideal Use
CHT **HBP214**	Ball Peen	14"	24 oz.	Bending and shaping, driving punches and chisels, concrete and stonework, hand forging, setting rivets, peen riveted and welded material, texturing face of metal.
CHT **HBP314**	Ball Peen	14"	32 oz.	
CHT **HBPC4814**	Ball Peen, Copper	14"	48 oz.	
CHT **HCP2516**	Cross Peen	16"	2.5 lbs.	Heavy forging, bending, shaping and spreading metal, driving punches and chisels, driving masonry drills, concrete and stone work, and starting panel pins and tacks.
CHT **HCP3516**	Cross Peen	16"	3.5 lbs.	
CHT **HCHC2516**	Club, Copper Head	16"	2.5 lbs.	Dent removal and body shop, metal forming, mining, oil and gas fields, underground non-spark mining. Outer finish is natural copper on working ends, other surfaces painted yellow.
CHT **HCHC412**	Club, Copper Head	12"	4 lbs.	
CHT **HSHBR2516**	Sledge, Brass Head	16"	2.5 lbs.	Dent removal and body shop, metal forming, mining, oil and gas fields. Outer finish is Natural Brass.
CHT **HSHBR412**	Sledge, Brass Head	12"	4 lbs.	
CHT **HSHSF830**	Sledge, Soft Face	30"	8 lbs.	Metal forming, mining, agriculture and construction. Soft head ensures that an accidental blow doesn't damage expensive tungsten carbide blades of construction, farm and earth moving equipment.
CHT **HSHSF1030**	Sledge, Soft Face	30"	10 lbs.	
CHT **HSHC824**	Sledge, Copper Head	24"	8 lbs.	Metal forming, mining, oil & gas fields and underground non-spark mining. Natural copper on working ends, other surfaces painted yellow.
CHT **HSHC1430**	Sledge, Copper Head	30"	14 lbs.	
CHT **HSH2512**	Sledge	12"	2.5 lbs.	Driving in stakes, forming metal, setting bolts and demolition work.
CHT **HSH412**	Sledge	12"	4 lbs.	
CHT **HSH416**	Sledge	16"	4 lbs.	
CHT **HSH624**	Sledge	24"	6 lbs.	
CHT **HSH630**	Sledge	30"	6 lbs.	
CHT **HSH824**	Sledge	24"	8 lbs.	
CHT **HSH830**	Sledge	30"	8 lbs.	
CHT **HSH1030**	Sledge	30"	10 lbs.	
CHT **HSH1230**	Sledge	30"	12 lbs.	
CHT **HSH1430**	Sledge	30"	14 lbs.	

B.A.S.H.® SLEDGE HAMMERS

Durability & Safety Features

Unbreakable™ Handle Technology:
- Steel core eliminates breaking during overstrikes

Trademark Green Head (Sledge Hammers):
- Patented hi-vis drop forged 46 HRC head endures the most demanding applications

Safety Plate:
- Secures head to handle preventing head from dislodging

Anti-Vibe Neck:
- Thick, tapered neck absorbs vibration reducing worker fatigue

No-Slip Grip:
- Vulcanized rubber handle for secure grip while striking

Lanyard Hole:
- Safely secure hammer to wrist or stationary object

Brass Head (Brass Sledge Hammers):
- Non-sparking for use near combustible materials and non-marring to reduce work damage

B.A.S.H.® SLEDGE HAMMERS (46 HRC)

Ideal For:
- Demolition Work
- Fracturing Stone and Concrete



Item No.	Head Size	Handle Size	Net Weight
JET **20212**	2½ lbs.	12"	4 lbs.
JET **20412**	4 lbs.	12"	5 lbs.
JET **20416**	4 lbs.	16"	6 lbs.
JET **20424**	4 lbs.	24"	6 lbs.
JET **20616**	6 lbs.	16"	8 lbs.
JET **20624**	6 lbs.	24"	9 lbs.
JET **20630**	6 lbs.	30"	10 lbs.
JET **20636**	6 lbs.	36"	11 lbs.
JET **20816**	8 lbs.	16"	11 lbs.
JET **20824**	8 lbs.	24"	11 lbs.
JET **20830**	8 lbs.	30"	12 lbs.
JET **20836**	8 lbs.	36"	13 lbs.
JET **21016**	10 lbs.	16"	13 lbs.
JET **21024**	10 lbs.	24"	13 lbs.
JET **21030**	10 lbs.	30"	15 lbs.
JET **21036**	10 lbs.	36"	15 lbs.
JET **21224**	12 lbs.	24"	16 lbs.
JET **21230**	12 lbs.	30"	17 lbs.
JET **21236**	12 lbs.	36"	18 lbs.
JET **21424**	14 lbs.	24"	18 lbs.
JET **21430**	14 lbs.	30"	19 lbs.
JET **21436**	14 lbs.	36"	20 lbs.
JET **22024**	20 lbs.	24"	24 lbs.
JET **22030**	20 lbs.	30"	25 lbs.
JET **22036**	20 lbs.	36"	27 lbs.
JET **3PCBASH**	3 Pc. Kit includes *JET* **20212**, *JET* **32414**, *JET* **30216** and carrying case		

B.A.S.H.® SOFT FACE SLEDGE HAMMERS (30 HRC)

Ideal For:
- Maintenance on hard metal surfaces
- Mining
- Cutting Tools



Item No.	Head Size	Handle Size	Net Weight
JET **40212**	2½ lbs.	12"	4"
JET **40412**	4 lbs.	12"	5"
JET **40416**	4 lbs.	16"	6"

B.A.S.H.® BRASS SLEDGE HAMMERS

Ideal For:
- Use near combustible materials



Item No.	Head Size	Handle Size	Net Weight
JET **90212**	2.5 lbs.	12"	4 lbs.
JET **90412**	4 lbs.	12"	5 lbs.
JET **90416**	4 lbs.	16"	6 lbs.
JET **90616**	6 lbs.	16"	8 lbs.

DOUBLE-FACE SLEDGE HAMMERS

High carbon steel, heat treated. Machined, polished face.



Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37302**	15"	1½"	¾" x 1"	2.5 lbs. (1.1 kg.)
SPC **37304**	15"	1¾"	¾" x 1"	4 lbs. (1.8 kg.)
SPC **37308**	36"	2"	1" x 1⅜"	8 lbs. (3.6 kg.)
SPC **37310**	36"	2⅛"	1" x 1⅜"	10 lbs. (4.5 kg.)
SPC **37312**	36"	2⅛"	1" x 1⅜"	12 lbs. (5.4 kg.)
SPC **37316**	36"	2⅜"	1" x 1⅜"	16 lbs. (7.2 kg.)
SPC **37320**	36"	3"	2" x 1½"	20 lbs. (9.0 kg.)

B.A.S.H.® DEAD BLOW HAMMERS



- Dead blow function eliminates bounce back when striking hardened surfaces
- Unbreakable® Handle Technology - steel core eliminates breaking during overstrikes
- Spark-resistant for safe use near combustible materials - no exposed metal on face, head or shaft
- Soft face helps prevent marring
- Ergonomic Handle - shaped and thickened for improved comfort and less vibration
- No-Slip Grip - Vulcanized rubber handle for secure grip while striking
- Lanyard Hole - Safely secure hammer to wrist or stationary object

Part No.	Head Size	Hand Size	Net Weight
JET **55114**	1½ lbs.	14	1.5 lbs.
JET **55214**	2 lbs.	14	2.2 lbs.
JET **55314**	3 lbs.	14	3 lbs.
JET **55416**	4 lbs.	16	4 lbs.
JET **55830**	8 lbs.	30	8 lbs.

CARLYLE NAPA



CHT **HDBBP32**



CHT **HDB13**

SOFT FACE DEAD BLOW HAMMERS

One piece construction. No marks or sparks, completely formulated to set a new standard for soft face performance and durability. Eliminates mushrooming, splitting, absorption of liquids, contaminations and chips. Outlasts rawhide, rubber, brass, lead, nylon and other plastic type heads by 10-20 times. Exclusive textured, nonslip, comfort contoured handle and safety flanged butt provide sure grip and reduces worker fatigue. Steel canister and rod are welded together for greater strength and safety. Shot-filled canister provides dead blow action in head for sustained impact, maximum power and striking force. Canister in head and heat-treated rod in handle are fully encased in hot cast custom formulated polyurethane. Convex faces on heads are designed for maximum dead blow non-bounce action and are cut resistant.

Item No.	Description	Length	Weight
CHT **HDBBP32**	Ball Peen	12.75	32 oz.
CHT **HDBBP40**	Ball Peen	16.5	40 oz.
CHT **HDB13**	Standard	10.13"	13 oz.
CHT **HDB21**	Standard	11.25"	21 oz.
CHT **HDB26**	Standard	12.75"	26 oz.
CHT **HDB45**	Standard	14.38"	45 oz.
CHT **HDB53**	Standard	15.25"	53 oz.
CHT **HDBS8**	Slim Line	9.38"	8 oz.
CHT **HDBS18**	Slim Line	10.63"	18 oz.
CHT **HDBS22**	Slim Line	12.13"	22 oz.
CHT **HDBS26**	Slim Line	12.75"	26 oz.
CHT **HDBS32**	Slim Line	12.75"	32 oz.
CHT **HDBSH55**	Sledge	20"	5.5 lbs.
CHT **HDBSH9**	Sledge	30"	9 lbs.
CHT **HDBSH105**	Sledge	30"	10.5 lbs.
CHT **HDBSH12**	Sledge	36"	12 lbs.

Ken-Tool WHEREVER TIRES ARE CHANGED™



SPC **35334**

Steel face



SPC **35337**

PROFESSIONAL DEAD BLOW HAMMERS

Power-drive fiberglass handle gives 20% more driving power, yet reduces user fatigue.

Item No.	Description	Length	Nominal Weight
SPC **35332**	2 lb. Head (.9 kg.)	13½" (34 cm)	1.9 lb. (.9 kg.)
SPC **35333**	3 lb. Head (1.4 kg.)	14½" (37 cm)	2.7 lb. (1.2 kg.)
SPC **35334**	4 lb. Head (1.8 kg.)	15½" (40 cm)	3.4 lb. (1.5 kg.)
SPC **35337**	Steel Face/Soft Face	13½" (34 cm)	2.2 lb. (1.0 kg.)

WARNING: Always wear safety goggles when using striking or struck tools. Never use one hammer to strike another hammer. Never use a tool with a loose or damaged handle. Discard any striking or struck tool if tool shows dents, cracks, chips, or mushrooming.

Ken-Tool WHEREVER TIRES ARE CHANGED™

DEAD BLOW HAMMERS

Head is shot filled for maximum force with no bounce effect. Safest non-marring, non-sparking hammers available. Great for tire changing and general shop use. High-quality materials to withstand years of hard use.





SPC **35335**



SPC **35336**

ECONOMY STRIKE PRO® HAMMERS

Dead blow action in high visibility colors.

Item No.	Color	Length	Nominal Weight
SPC **35335**	Safety Yellow	12" (31 cm)	1 lbs. (.5 kg.)
SPC **35336**	Safety Orange	12" (31 cm)	1.5 lbs. (.7 kg.)

WLON B.A.S.H.



B.A.S.H® BALL PEIN HAMMERS AND CROSS PEIN HAMMERS

Durability & Safety Features

Unbreakable™ Handle Technology:
- Steel core eliminates breaking during overstrikes

Safety Plate:
- Secures head to handle preventing head from dislodging

Anti-Vibe Neck:
- Thick, tapered neck absorbs vibration reducing worker fatigue

No-Slip Grip:
- Vulcanized rubber handle for secure grip while striking

Trademark Green Head:
- Patented hi-vis drop forged 46 HRC head endures the most demanding applications

Lanyard Hole:
- Safely secure hammer to wrist or stationary object

Ideal For:
- Light Forging
- Bending
- Forming
- Peining

Item No.	Head Size	Handle Size	Net Weight
B.A.S.H® Ball Pein Hammers			
JET **32414**	24 oz.	14"	2 lbs.
JET **33214**	32 oz.	14"	3 lbs.
JET **34014**	40 oz.	14"	3 lbs.
B.A.S.H® Cross Pein Hammers			
JET **30216**	24 oz.	16"	3 lbs.
JET **30316**	32 oz.	16"	4 lbs.

CARLYLE NAPA

FIBERGLASS BALL PEEN HAMMERS



Hardened steel ball-peen hammer heads are made of permanently epoxied fiberglass handles and provide superior balance to reduce shock and fatigue. Rounded end allows for pounding out round surfaces and peening over bolts.

Item No	Length	Weight
CHT **HFBP8**	10 15/16"	8 oz.
CHT **HFBP16**	12 7/8"	16 oz.
CHT **HFBP24**	15 1/16"	24 oz.
CHT **HFBP32**	15 1/8"	32 oz.

CARLYLE NAPA

WOOD BALL PEEN HAMMERS



Hammers feature forged and hardened steel ball peen head with hardwood hickory handle. Chamfered to prevent chipping.

Item No.	Length	Weight
CHT **HWBP4**	10 3/4"	4 oz.
CHT **HWBP8**	12 13/16"	8 oz.
CHT **HWBP12**	12 13/16"	2 oz.
CHT **HWBP16**	13 3/4"	16 oz.
CHT **HWBP24**	15 9/16"	24 oz.
CHT **HWBP32**	15 3/4"	32 oz.
CHT **HWBP40**	16 3/8"	40 oz.
CHT **HWBP48**	16 9/16"	48 oz.

CARLYLE NAPA

FIBERGLASS DRILLING HAMMER



Hammer features fully forged and hardened steel head with permanent epoxied fiberglass handle for superior balance and reduced shock and fatigue.

Item No	Length	Weight
CHT **HFD25**	10 9/16"	40 oz.

Ken-Tool WHEREVER TIRES ARE CHANGED



SPC **37003**

NEW ENGLAND PATTERN HAND-DRILLING HAMMERS

Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37003**	10"	1 1/2"	1" x 3/4"	3 lbs. (1.4 kg)
SPC **37004**	10"	1 5/8"	1" x 3/4"	4 lbs. (1.8 kg)

Ken-Tool WHEREVER TIRES ARE CHANGED



SPC **37103**

CROSS-PEIN/ BLACKSMITH HAMMER

High carbon steel with machine polished face.

Item No.	Handle Length	Face	Eye Size	Head Weight
SPC **37103**	15"	1 5/8"	1" x 1 3/4"	3 lbs. (1.4 kg)

CARLYLE NAPA

FIBERGLASS CURVED CLAW HAMMER



Hammer features forged and hardened steel head with permanent epoxied fiberglass handle providing superior balance and reducing shock and fatigue. Bell sides and claw end are great for prying applications. Non-slip comfort grip handle allows for comfort and increased safety.

Item No	Length	Weight
CHT **HFC16**	12 3/16"	16 oz.

CARLYLE NAPA



CHT **HLVBP32**



CHT **HLVC16**



CHT **HLVD25**

LOW VIBRATION HAMMERS

Hammers feature fully forged and hardened design with shock suppression hand grip for ultimate comfort and fatigue reduction.

Item No	Description	Length	Weight
CHT **HLVBP32**	Ball Peen Hammer	14 9/16"	32 oz
CHT **HLVC16**	Curved Claw Hammer	13"	16 oz
CHT **HLVD25**	Drilling Hammer	10 3/4"	40 oz.

CARLYLE NAPA



CHT **HSF2**



CHT **HSFT2HD**



CHT **HSFT2ST**

SOFT FACE HAMMERS

Hammer head accepts replaceable steel threaded plastic insert tips for a variety of non-marring applications. Non-slip grip provides extended comfort and durability.

Item No	Description	Length
CHT **HSF2**	Soft Face Hammer	12 3/16"
CHT **HSFT2ST**	Soft Tip, Rubber	Dia. 32.5 x 25mm
CHT **HSFT2HD**	Hard Tip, Plastic	Dia. 32.5 x 25mm

CARLYLE NAPA

RUBBER MALLETS

High-grade solid rubber heads are securely pressure-fitted on hardwood handles. Non-marring striking face.



CHT **HR16**

Item No	Length	Weight
CHT **HR16**	12 7/8"	16 oz.
CHT **HR24**	15 3/8"	24 oz.

Ken-Tool



2 LB. RUBBER MALLET WITH WOOD HANDLE

Rubber head minimizes marring surface. Handle Length: 17" (43 cm). Head Weight: 2 lbs.

SPC **35310**



CARLYLE

CHT **HB16**

BRASS MALLETS W/WOODEN HANDLE

Item No	Length	Weight
CHT **HB8**	14"	8 oz.
CHT **HB16**	14"	16 oz.
CHT **HB24**	24"	24 oz.

DEWALT



HEAVY-DUTY HAMMER TACKER

- Lightweight die-cast aluminum housing design for durability
- Uses DEWALT® heavy-duty staples series *DEW* **DWHTTA700**

Item No.	Fastener Type	Fastener Length	Weight
DEW **DWHTHT450**	Heavy-Duty Staples	5/16"-1/2"	2.50 lbs.

DEWALT



2-IN-1 TACKER AND NAILER

- Easy squeeze technology helps reduce actuation force
- Uses DEWALT® heavy-duty *DEW* **DWHTTA700** series up to 9/16" and 18 ga. brads up to 5/8"

Item No.	Fastener Type	Fastener Length	Weight
DEW **DWHTTR350**	Heavy-Duty Staples	1/4" - 9/16"	2.00 lbs
	18 Ga. Brads	1/2" - 5/8"	

DEWALT

CONTRACTOR PACK STAPLES

- Compatible with most heavy-duty tackers
- DEWALT® heavy-duty staples 5,000 pieces per reusable plastic case
- Durable plastic storage box helps prevent rusting and stick breakage

Item No.	Length	Pack Size
DEW **DWHTTA7055**	5/16" (8mm)	5,000 pcs
DEW **DWHTTA7065**	3/8" (10mm)	5,000 pcs
DEW **DWHTTA7085**	1/2" (12mm)	5,000 pcs



DEW **DWHTTA7065**

CARLYLE



CHT **PBH12**

INDEXING PRY BARS

Adjustable heads provide flexibility and increased leverage in tight areas. Ergonomic design reduces user fatigue. Ideal for a wide variety of prying requirements.

Item No.	Size	*CHT* **PBF02** 2 Pc. Set
CHT **PBF8**	8"	
CHT **PBF10**	10"	•
CHT **PBF16**	16"	•
CHT **PBF24**	24"	
CHT **PBF33**	33"	



APX **82233**



APX **82248**

GEARWRENCH

PRY BARS

APX **82233**	33" Indexable
APX **82248**	48" Extendable

CRESCENT



APX **DB18X**

INDEXING FLAT RENOVATION BARS

- Head indexes over 180° and locks in 16 positions
- Head has raised striking surface
- Durable two-tone grip provides comfort, control and safety
- Narrow jab end for extreme prying and leverage

APX **DB18X**	18"
APX **DB30X**	30"

CRESCENT



ADJUSTABLE PRY BARS

- Adjustable jaws slide and clamp to fit onto objects for straightening and prying
- Crow bar end with nail puller slot
- Striking hammer head surface for persuasion
- Large Claw on head that adjusts for leverage in pulling nails

APX **DB16**	16"
APX **DB24**	24"

CARLYLE



CHT **PBH12**



CHT **PB18**

PRY BARS

Item No.	Size
CHT **PBH7**	7"
CHT **PBH12**	12"
CHT **PBH18**	18"
CHT **PB18**	18" Nickel-Chrome Plated

The Dominator® Go Ahead and Whack It MAYHEW

PRY BARS & SETS

- Patented striking cap on handle
- Used for lifting and prying
- Available in both curved and straight blade styles
- Ergonomically designed handle with a capped end that is forged through the handle for unparalleled strength and durability
- Heat treated along the entire length of the steel
- Black oxide finish for additional rust protection
- Square Blade Type
- Made in the USA of U.S. and global components



CHT **60141**

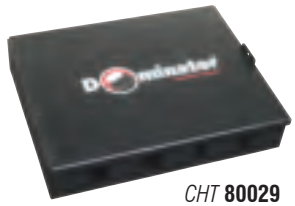


CHT **60144**



CHT **40170**

Dominator® Pry Bar Vault



CHT **80029**

Item No.	Description	Overall Length	Body Size	*CHT* 61354 3 Pc. Straight Screwdriver Set	*CHT* 61366 5 Pc. Curved Screwdriver Set	*CHT* 61355 3 Pc. Curved Screwdriver Set	*CHT* 61353 2 Pc. Curved Screwdriver Set	*CHT* 61356 3 Pc. HD Set	*CHT* 61361 2 Pc. Specialty Set
Straight Blade Style Screwdriver Pry Bars									
CHT **60141**	7-S	12"	3/8"	•					
CHT **60143**	12-S	17"	3/8"	•					
CHT **60145**	18-S	25"	1/2"	•				•	
CHT **60147**	24-S	31"	1/2"						
CHT **40128**	36-S	36"	5/8"						
CHT **40129**	42-S	42"	5/8"						
Curved Blade Style Screwdriver Pry Bars									
CHT **60137**	5-C	10"	3/8"		•				
CHT **60140**	7-C	12"	3/8"		•	•			
CHT **60144**	12-C	17"	3/8"		•	•			
CHT **60146**	18-C	25"	1/2"		•	•	•		
CHT **60148**	24-C	31"	1/2"		•		•	•	
CHT **40138**	36-C	36"	5/8"					•	
CHT **40139**	42-C	42"	5/8"						
CHT **40160**	48-C	48"	3/4"						
CHT **40162**	58-C	58"	3/4"						
CHT **40164**	44-C	44"	7/8"						
CHT **40166**	45-C	45"	1"						
Modified Pry Bars									
CHT **40170**	Die Bar	30"	1/2"						•
CHT **40172**	Rolling Head	30"	1/2"						•
Pry Bar Vault									
CHT **80029**	Vault	14"	N/A						

EVERCRAFT™

COMFORT-GRIP PRY BARS & SET

Chrome-Moly steel shafts for maximum strength. Heat-resistant, cellulose acetate vinyl handles with comfort grips. Grounded and polished pry bar blade edges.

Item No.	Description	*BK* 774-0512 4 Pc. Set
BK **774-0508**	8"	•
BK **774-0509**	12"	•
BK **774-0510**	18"	•
BK **774-0511**	24"	•

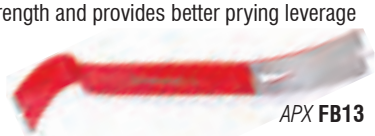


CRESCENT LIFETIME WARRANTY

FLAT PRY BARS

- Precision ground ends for nail pulling with less material damage
- Nail Slot in end and center for access to pulling nails
- Durable high visibility red finish is corrosion resistant
- Radius end design adds strength and provides better prying leverage

Item No.	Description
APX **FB7**	7"
APX **FB13**	13"
APX **FB15**	15"



APX **FB13**

CRESCENT LIFETIME WARRANTY

MOLDING BARS

- Striking face has ground surface for precision nailing
- Precision ground ends for nail pulling with less material damage
- Nail slot in both claw and pry ends for access to pulling
- Durable high visibility red finish is corrosion resistant

Item No.	Description
APX **MB8**	8"
APX **MB10**	10"
APX **MB12**	12"



APX **MB10**

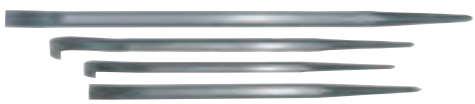


SPC **7030**

CLOSE QUARTERS PRY BARS

These Close Quarter Bars are made of forged, alloy steel, and heat treated. Designed for use in tight spots, their balanced construction provides very powerful leverage. Black Oxide finish.

Item No.	Length	Stock	Weight
SPC **7030**	9" (23 cm)	3/8" (9 mm)	.31 lbs. (.14 kg.)
SPC **7031**	16" (41 cm)	1/2" (12 mm)	.89 lbs. (.4 kg.)
SPC **7032**	18" (46 cm)	5/8" (16 mm)	1.5 lbs. (.7 kg)



ALIGNING/ROLLING HEADS & SET

- Manufactured from high alloy steel for strength and durability
- Rolling heads / curved blades provides leverage
- Tapered end for aligning applications
- Made in the USA - quality and availability

Item No.	Description	AIT **70-578 4 Pc. Set**
AIT **70-503**	Aligning Pry Bar 5/8" x 16"	•
AIT **70-505**	Aligning Pry Bar 3/4" x 24"	•
AIT **70-519**	Rolling Head Bar 1/2" x 15"	•
AIT **70-521**	Rolling Head Bar 5/8" x 18"	•



SPC **7027**

ALIGNING/PRY BARS

A forged, alloy steel, heat-treated bar that can be used for prying, aligning and positioning many heavier jobs in the shop. Black Oxide finish.

Item No.	Length	Stock	Weight
SPC **7025**	18" (46 cm)	5/8" (16 mm)	1.4 lbs. (.6 kg.)
SPC **7026**	20" (50.8 cm)	3/4" (19 mm)	2.3 lbs. (1 kg.)
SPC **7027**	24" (61 cm)	3/4" (19 mm)	2.8 lbs. (1.3 kg.)
SPC **7028**	30" (76 cm)	7/8" (22 mm)	5.0 lbs. (2.3 kg.)



ROLL HEAD PRY BAR

Fully hardened and tempered, the roll head pry bar is specifically designed for heavy prying and fulcrum prying in automotive applications with the tapered end used for aligning applications. Length: 20".

CHT **PB20**



SPC **7035**

DIE SETTER BARS

A practical and useful shop tool for the quick separation of punch and die holder. The bars are made of forged, alloy steel and heat-treated for strength. The finish is black oxide.

Item No.	Length	Stock	Weight
SPC **7035**	5/8" stock	18" Length	1.7 lbs
SPC **7037**	3/4" stock	30" Length	4.2 lbs.



JIMMY BARS

Heat-treated, forged chrome alloy steel construction resists bending or breakage.

Item No.	Size
BK **819-2116**	3/4" x 24" L.
BK **819-2117**	7/8" x 30" L.
BK **801-6122**	7/8" x 46" L.
BK **801-6121**	1" x 54" L.



16 IN. PINCH BAR

Use for prying, alignment work and many other purposes. One end has a long, sharp pointed taper and the other end a sharp, curved leverage blade. Nickel-chrome-plated bar measures 16" x 3/4" x 5/8".

BK **936**



LADYFOOT PRY BARS & SET

Pry bar features a solid forged head for superior strength. Rocking head used for prying in small areas and other end used to align. Black oxide finish for additional rust protection. Made in the USA.

Item No.	Description	CHT **60150** 3 Pc. Set.
CHT **40150**	1/2" x 12"	•
CHT **40152**	5/8" x 16"	•
CHT **40154**	3/4 x 21"	•



2 PC. PRY BAR SET

High-grade stainless steel construction with premium hammer ends, go-through blade for strength and comfort-grip handle. Broad-hilt design prevents slippage.

SER **77-2012**

DOMINATOR® HD CARBON SCRAPERS & SET



- Used for a multitude of applications, such as removing gaskets, rust, paint, carbon buildup, and floor tile
- Blades are ground for a sharp edge and can be resharpened after heavy use to return the cutting edge to its original sharpness
- Capped end in direct contact with the tempered steel shaft
- Patented, two-composite ergonomically designed handle provides a comfortable and secure grip
- Black oxide finish for additional rust protection
- Made in the USA with U.S. and global components.

Item No.	OAL	Body Size	Blade Type	Blade Style	*CHT* 60001 4 Pc. Set
CHT **42004**	12"	3/8"	Square	1/2"	•
CHT **42005**	12"	3/8"	Square	3/4"	•
CHT **42006**	12"	3/8"	Square	1"	•
CHT **42007**	12"	3/8"	Square	1 1/2"	•

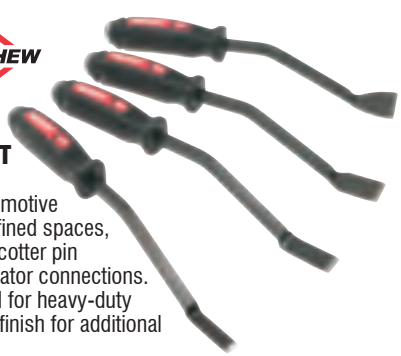
1 IN. DOMINATOR® HD ALL PURPOSE SCRAPER



Used for a multitude of applications, such as removing gaskets, rust, paint, carbon buildup and floor tile. Blades are ground for a sharp edge and can be resharpened after heavy use to return the cutting edge to its original sharpness. Capped end in direct contact with the tempered steel shaft and a black oxide finish for additional rust protection.

Item No.	OAL	Body Size	Blade Type	Blade Style
CHT **62006**	19	3/8"	Square	1"

4 PC. DOMINATOR® ANGLED SCRAPER SET

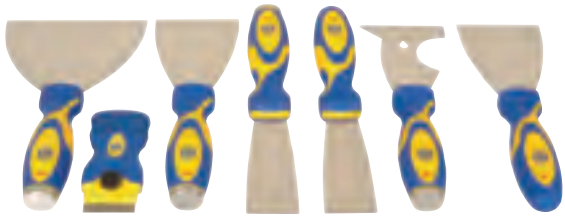


Used for a wide variety of applications, such as automotive and electrical work in confined spaces, scribing lines, O-ring and cotter pin removal, and to break radiator connections. Made of larger shank steel for heavy-duty applications. Black oxide finish for additional rust protection.

CHT **60004**

Contents

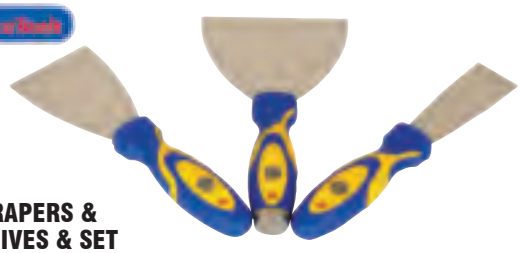
Qty.	Item No.	Size
1	*CHT* **42014**	1/2" Blade
1	*CHT* **42015**	3/4" Blade
1	*CHT* **42016**	1" Blade
1	*CHT* **42017**	1 1/2" Blade



SCRAPERS & PUTTY KNIVES & SET

Ergonomic design with comfort-grip for superior control and safety.

Item No.	Description	*SER* **77-1999** 7 Pc. Set
SER **77-2009**	Bent-Blade, 1 1/4" Stiff	•
SER **77-2004**	Joint Knife, 5" Stiff w/Hammer End	•
SER **77-1997**	Mini	•
SER **77-2011**	Painter's Tool, 6-in-1	•
SER **77-2000**	Putty Knife, 1 1/4" Flexible	•
SER **77-2001**	Wall, 3" Flexible	•
SER **77-2003**	Wall, 3" Stiff w/Hammer End	•



3 PC. SCRAPERS & PUTTY KNIVES & SET

Item No.	Description	*SER* **77-1998** 3 Pc. Set
SER **77-2004**	Joint Knife, 5" Stiff w/Hammer End	•
SER **77-2000**	Putty Knife, 1 1/4" Flexible	•
SER **77-2001**	Wall, 3" Flexible	•



3 IN. FLEXIBLE PUTTY KNIFE/SCRAPER

Flexible steel blade with mirror finish is ideal for light scraping or applying putty.

SER **77-2426**



1-1/4 IN. STIFF-BLADE SCRAPER

High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.

SER **77-2008**



1-1/4 IN. STIFF-BLADE PUTTY KNIFE
High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.
SER **77-2002**



1-1/4 IN. STIFF-BLADE PUTTY KNIFE/ SCRAPER
Stiff tempered-steel, mirror-finished blade is ideal for scraping dirt, carbon and paint, or applying putty.
SER **77-2425**



TWO-IN-ONE STIFF-BLADE PUTTY KNIFE
High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.
SER **77-2005**



MULTI-PURPOSE ANGLED RAZOR SCRAPER
High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.
SER **77-2007**



MULTI-PURPOSE LONG-REACH RAZOR SCRAPER
High-grade stainless steel construction with go-through blade for strength and a premium hammer end. Broad-hilt, comfort-grip handle prevents slippage.
Caution: Not for use on plastic-coated windshields.
SER **77-2006**



SAFETY SCRAPERS
Single-edge razor blade scraper with push-button open and close. Ideal for scraping ice, bugs, paint, labels or sticky dirt from windshields. Five blades included.
Caution: Not for use on plastic-coated windshields.

Item No.	Description
BK **770-2400**	Safety Scraper
BK **770-2401**	Blades, Card/10
BK **770-2402**	Blades, Box/100



ALL-PURPOSE SCRAPER
Locks into three different operating positions and folds into handle for safe storage. Uses single-edge razor blades.
Caution: Not for use on plastic-coated windshields.
SER **77-2106**



SCRAPERS AND SET
Offset shaft scraper helps eliminate knuckle scrapes. Curved scraper is designed to improve control. Both have comfort grip handles.

Item No.	Description	*SER* **3987** 2 Pc. Set
SER **3987-01**	Reverse Scraper	•
SER **3987-02**	Offset Scraper	•



19 IN. MONSTER SCRAPER
Extra-long, super-duty scraper is 19" long and constructed of rugged aluminum. Features comfortable foam grip and storage for up to 15 extra blades.
Caution: Not for use on plastic-coated windshields.
SER **MS1900**

EVERCRAFT

7 IN. LONG-REACH SCRAPER

Includes three #9 razor blades and one plastic blade.
Caution: Not for use on plastic-coated windshields.
BK **776-9068**



7 IN. LONG-REACH SCRAPER

Ideal for use when additional length is needed, such as deep-recessed dashboards in minivans. Includes one standard replacement blade and one plastic blade for use on coated windows.
Caution: Not for use on plastic-coated windshields.
SER **77-3528**





5 PC. GASKET SCRAPER SET

Interchangeable set perfect for removing old pieces of gasket, sealant, and oil and carbon deposits. Heavy-duty steel shafts are coated with black oxide finish. Comes with high-density foam tray for convenient toolbox storage.
SER **GS5**



10-1/2 IN. GASKET SCRAPER

Forged steel construction for rugged service with a comfort-grip handle. Scrapes surfaces clean before the installation of new gaskets. Can also be used before installing water pump, thermostat, cylinder head, crankcase or timing chain cover gaskets. Overall Length: 10 1/2". Blade Width: 1".
SER **77-0485**



EVERCRAFT

10-1/2 IN. GASKET SCRAPER

Forged steel construction for rugged service with a comfort-grip handle. Scrapes surfaces clean before the installation of new gaskets. Overall Length: 10 1/2". Blade Width: 1".
BK **776-9061**



D The ominator Go Ahead and Whack It
MAYHEW

2 PC. DOMINATOR® WELD WAKKER SET

Used to break apart spot welds or bonded panels. Strikeable handle end cap, side edge of tool and unique two-sided cutting bevels. Black oxide finish for additional rust protection.
CHT **60005**



Contents
3/8" x 11 3/4" Long
1/2" x 14 1/2" Long

D The ominator Go Ahead and Whack It MAYHEW

4 PC. MINI HOOK & PICK SET

Includes three mini hooks and pick. Includes tray.
CHT **60003**



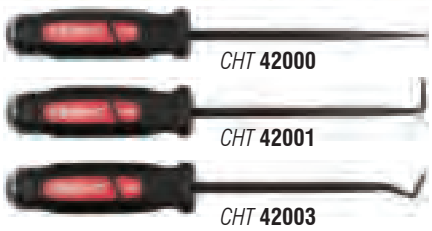
D The ominator Go Ahead and Whack It
MAYHEW

4 PC. DOMINATOR® RADIATOR HOSE PICK SET

Includes tray.
CHT **60008**



Contents
HD C-Hook
Cotter Pin Puller
45° Long Hook
90° Long Hook.

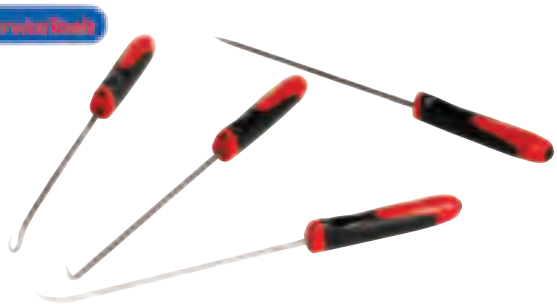




DOMINATOR® HOOKS & PICKS & SETS

- Used for a wide variety of applications, such as automotive and electrical work in confined spaces, scribing lines, O-ring and cotter pin removal, and to break radiator connections
- Made of larger shank steel for heavy-duty applications
- Available in multiple shapes and angles for the perfect tool for the application
- Black oxide finish for additional rust protection
- Made in the USA with US and Global components

Item No.	Description	Overall Length	Body Size	Blade Type	CHT 60002 6 Pc. Professional Set	CHT 60027 4 Pc. X-Long Set	CHT 60000 4 Pc. HD Set
CHT **42000**	HD Scratch Awl	10"	1/4"	Round			•
CHT **42001**	HD 90° Hook	10"	1/4"	Round			•
CHT **42003**	HD Complex Hook	10"	1/4"	Round			•
CHT **42002MAY**	HD Curved Hook	10"	1/4"	Round			•
CHT **42008**	HD C-Hook				•		
CHT **42009**	HD 15° Hook	10"	1/4"	Round	•		
CHT **42010**	HD 45° Hook	10"	1/4"	Round	•		
CHT **42011**	HD 45° Long Hook	16"	1/4"	Round	•		
CHT **42012**	HD 60° Long Hook	16"	1/4"	Round	•		
CHT **42013**	HD 90°Long Hook	16"	1/4"	Round	•		
CHT **43002**	X-Long C-Hook					•	
CHT **43003**	X-Long Complex Hook					•	
CHT **43013**	X-Long 90° Hook					•	
CHT **43022**	X-Long Cotter Pin Puller					•	
CHT **62002**	HD Scratch Awl & Pick	10"	1/4"	Round			



LIGHTED HOOK & PICK SET

LED light illuminates the working end of the pick. Picks have an ergonomic composite handle with an easy On/Off button. Four-piece set includes features 90-degree, hook, straight, and complex hook ends. Great for separating wires, removing small fuses and O-rings, and retrieving and marking metals. Includes tray.

SER **CHP4LT**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



7 PC. HOOK & PICK SET

This kit combines both small and large picks to do a wide range of jobs around the vehicle from seals to cotter pin removal, cleaning and other jobs.

SER **3708**

6 PC. HOOK & PICK SET

Each pick is made of high carbon polished heat-treated steel with a textured cushion grip that will not slip in wet or oily hands. Ideal for removing small fuses, O-rings and separating wires. Perfect for working in tight, hard to reach areas. Includes complex hook, hook pick, 90° pick, straight pick, combination pick, double angle pick. Overall tool length is 9¾"

SER **CHP6-L**



4 PC. HOOK & PICK SET

Use these chrome vanadium, alloy steel tools to pull oil seals, O-rings, cotter pins and much more. Set includes: straight point, curved hook, combination tip and 90° tip.

BK **776-9057**



4 PC. HOOK & PICK SET

- High carbon polished heat-treated picks
- Includes 90°, straight, hook and complex picks
- Cushion-grip handles

SER **CHP4-L**



Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

3 PC. HEAVY-DUTY HOOK & PICK SET

The set includes part numbers *SER* **3470**, *SER* **3474** and *SER* **3475**. The tools included are ideal for use anywhere a hook/removal tool, spring removal tool or a sharp punch is required. All three tools feature corrosion resistant zinc plating and a high visibility orange robust handle.



Item No.	Description	*SER* 3476 2 Pc. Set
SER **3470**	Heavy-Duty Hook & Cotter Pin Puller	•
SER **3475**	Heavy-Duty Scratch Awl	•
SER **3474**	Heavy-Duty Spring Hook Too	•

HOOK & PICK SET

Five-piece set includes a 5" aluminum handle knurled for a sure grip. It also includes the following heat-treated, high carbon steel picks: O-ring, 90°, straight and hook. Use picks to pull O-rings, seals, cotter pins and brushes quickly and easily.

SER **3121**



O-RING & OIL SEAL PICK SET

This set makes fishing a stubborn o-ring or oil seal out of its seat easy.

BK **700-2454**



O-RING & SEAL PICK

Remove and install O-rings and small oil seals. Hardened tip keeps a sharp point. Tool is ideal for transmission, power steering pump, disc brake and air conditioning repairs.

SER **2554**



2 PC. SPECIALTY PICK SET

Hardened tips. Knurled center grips. Set includes 90-degree double end scribe, O-ring and seal pick.

BK **776-9161**



SCRIBER

Sharp, tempered point scribes metal. Hooked end removes O-rings, seals and gaskets. It has a 90° hook. Length: 9½".

SER **2979**



2-IN-1 FOLDING JAB SAW AND RASP

- 2-in-1 design for convenience, cut drywall and smooth edges with one tool
- Jab saw has triple ground teeth for fast cutting
- Steel rasp for material removal



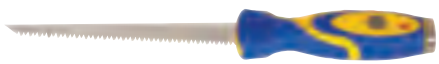
Item No.	Blade Length	Points Per In.	Teeth Per In.	Handle Length	Weight
DEW **DWHT20123**	Jab-5¼", Rasp-4"	9	8	6-½"	0.49 lbs



STANDARD JAB SAW

- Aggressive tooth design cuts up to 50% faster than traditional tooth designs
- Ideal for use on drywall, plastic and other building materials
- Ergonomic, slip resistant grip

Item No.	Blade Length	Points Per In.	Teeth Per In.	Handle Length	Weight
DEW **DWHT20540**	6"	9	8	5½"	0.35 lbs



6 IN. WALLBOARD SAW

Broad-hilt design prevents hand slippage.
High-grade stainless steel construction with premium hammer end, go-thru blade for strength, and comfort-grip handle.

SER **77-2025**



SMITH & WESSON SPECIAL TACTICAL LINER LOCK FOLDING KNIFE

Black 7Cr17 high carbon stainless steel partially serrated drop point blade with thumb knob and index flipper. Textured black ABS with rubber coated handle with raised jimping, lanyard hole and pocket clip. Blade length: 3.5". Handle length: 4.6". Overall length: 8.1".

BK **CKTACBSDCP**



SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black 7Cr17 high carbon stainless steel drop point blade with ambidextrous thumb knobs. Black rubber coated aluminum handle with jimping, lanyard hole and pocket clip. Blade length: 3.3". Handle length: 4.5". Overall length: 7.8".

BK **SWA25CP**



SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black 7Cr17 high carbon stainless steel tanto blade with ambidextrous thumb knobs. Textured black aluminum handle with jimping, lanyard hole and pocket clip. Blade length: 3.25". Handle length: 4.13". Overall length: 7.38".

BK **CK5TBSCP**



SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Teflon coated stainless steel blade and a stainless-steel handle liner for strength and corrosion resistance. The clip-point blade offers extra sharpness at the tip. Dual thumb studs and a liner lock safety feature allow for a safe, quick and easy one-hand open. The sleek, black handle and designer holes offer beauty. A convenient belt/pocket clip allows for easy portability and quick access. Blade length: 3". Handle length: 4.6". Overall length: 7.6".

BK **SWA3CP**



SMITH & WESSON 1ST RESPONSE LINER LOCK FOLDING KNIFE

7Cr17 High carbon stainless steel partially serrated drop point blade with ambidextrous thumb disc. Stainless steel handle with black G-10 inlay. Built-in seatbelt cutter, window breaker and pocket clip. Blade length: 3.3". Handle length: 4.7". Overall length: 8".

BK **SWFRSCP**



SMITH & WESSON LINER LOCK TANTO BLADE FOLDING KNIFE

Bead blast 7Cr17 high carbon stainless steel clip point tanto blade with ambidextrous thumb knobs and jimping. Textured black G-10 handle with lanyard hole and pocket clip. Blade length: 3.3". Handle length: 4.5". Overall length: 7.8".

BK **CK13TCP**



SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

7Cr17 High carbon stainless steel drop point blade with ambidextrous thumb knobs and jimping. Textured aluminum handle with lanyard hole and pocket clip. Blade length: 3.2". Handle length: 4.2".
Overall length: 7.4".

BK **CK105HCP**



SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black coated stainless steel easy open drop point blade with thumb pins. Blue aluminum handle with designer holes, liner lock safety, lanyard hole and belt/pocket clip. Blade length: 3". Handle length: 4". Overall length: 7".

BK **SWA11CP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black 7Cr17 high carbon stainless steel drop point blade with ambidextrous thumb knobs. Black rubber coated aluminum handle with jimping, lanyard hole and pocket clip. Blade length: 3.3". Handle length: 4.5". Overall length: 7.8".

BK **SWFR2SCP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Lightweight design features quality stainless steel drop point blade. Aluminum handle has built-in lever that keeps hands safe from blade while in use. Features built-in pocket clip. Blade length: 3". Handle length: 4.4". Overall length: 7.6".

BK **SWA1CP**



Smith & Wesson

SMITH & WESSON EXTREME OPS FOLDING KNIFE

Teflon-coated stainless-steel blade and a stainless-steel handle liner for strength that lasts. The modified clip-point blade offers extra sharpness at the tip. Dual thumb studs and a liner lock safety feature allow for a safe, quick and easy unfolding with one hand. The sleek, black handle and designer holes offer beauty. A convenient belt/pocket clip and lanyard hole allow for easy portability and quick access. Blade length: 3.2". Handle length: 4.6". Overall length: 7.8".

BK **SWA6CP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black drop point blade with ambidextrous thumb knobs. Silver and black aluminum handle with lanyard hole. Blade length: 3.2". Handle length: 4.6". Overall length: 7.8".

BK **SWA10CP**



Smith & Wesson

SMITH & WESSON OASIS LINER LOCK FOLDING KNIFE

Grey titanium coated 7Cr17 high carbon stainless steel drop point blade with ambidextrous thumb knobs. Grey titanium coated stainless steel handle with lanyard hole and pocket clip. Blade length: 3.2". Handle length: 4.3". Overall length: 7.5".

BK **SW423GCP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Lightweight design features quality stainless steel blade with built-in pocket clip. Special design slots give knife a unique look. Blade length: 3.25". Handle length: 4.5". Overall length: 7.75".

BK **SWA2CP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Lightweight design features quality stainless steel drop point blade with built-in pocket clip. Aluminum handle. Special design slots give knife a unique look. Blade length: 3". Handle length: 4.4". Overall length: 7.6".

BK **SWA7CP**



Smith & Wesson

SMITH & WESSON EXTREME OPS LINER LOCK FOLDING KNIFE

Black-coated stainless steel clip point blade with easy open thumb pins. Grey aluminum handle with designer holes. Liner lock safety, lanyard hole, belt and pocket clip. Blade length: 3.1". Handle length: 4.5". Overall length: 7.6".

BK **SWA13CP**



SCHRADE

SCHRADE® FRAME LOCK FOLDING KNIFE

Titanium coated 9Cr18MoV High carbon stainless steel Partially serrated clip point with am sbidextrous thumb knobs. G-10 and titanium coated steel handle with lanyard hole and pocket clip. Blade length: 3.7". Handle length: 4.9". Overall length: 8.6".

BK **SCH104LSCP**



SCHRADE

SCHRADE® LINER LOCK FOLDING KNIFE

Bead blast 8Cr13MoV high carbon stainless steel drop point blade with ambidextrous thumb knobs. Black machine textured G-10 handle with pocket clip. Blade length: 3". Handle length: 4.1". Overall length: 7.1".

BK **SCH105CP**



SCHRADE

SCHRADE® LINER LOCK BLACK FOLDING KNIFE

9Cr14MoV High carbon stainless steel drop point blade with ambidextrous thumb knobs, index finger groove and jimping. Titanium coated aluminum handle with rubber injected molding grip, lanyard hole and pocket clip. Blade length: 3.6". Handle length: 4.9". Overall length: 8.5".

BK **SCH205CP**



SCHRADE

SCHRADE® LARGE LINER LOCK FOLDING KNIFE

8Cr13MoV High carbon stainless steel drop point blade with ambidextrous thumb knobs. Lenticular aluminum handle with lanyard hole and pocket clip. Blade length: 3.2". Handle length: 4.6". Overall length: 7.8".

BK **SCH401LALCCP**



SCHRADE

SCHRADE® MINI FRAME LOCK FOLDING KNIFE

Titanium coated 9Cr18MoV high carbon stainless steel drop point blade with ambidextrous thumb knobs. Titanium coated stainless steel handle with pocket clip. Blade length: 2.6". Handle length: 3.4". Overall length: 6".

BK **SCH303MCP**



SCHRADE

SCHRADE® LINER LOCK FOLDING KNIFE

Black 8Cr13MoV high carbon stainless steel clip point blade with ambidextrous thumb knobs and thumb ramp jimping. Textured black aluminum handle with spine jimping and pocket clip. Blade length: 2.98". Handle length: 4.02". Overall length: 6.98".

BK **SCH214CP**



SCHRADE

SCHRADE® LINER LOCK FOLDING KNIFE

Bead blast 9Cr14MoV high carbon stainless steel drop point blade with ambidextrous thumb knobs. Black machine textured G-10 handle with holes and pocket clip. Blade length: 2.5". Handle length: 3.5". Overall length: 6".

BK **SCH107CP**



SCHRADE

SCHRADE® STONE WASHED LINER LOCK FOLDING KNIFE

9Cr14MoV High carbon stainless steel partially serrated drop point blade with ambidextrous thumb knobs and index flipper. Black G-10 handle with stone washed steel insert, spine & grip jimping, lanyard slot, glass break and pocket clip. Blade length: 3.2". Handle length: 4.6". Overall length: 7.8".

BK **SCH501SCP**



SCHRADE

SCHRADE® LINER LOCK FOLDING KNIFE

Bead blast 9Cr14MoV High carbon stainless steel drop point blade with ambidextrous thumb knobs. Black machine textured G-10 handle with lanyard slot and pocket clip. Blade length: 2.9". Handle length: 3.8". Overall length: 6.7".

BK **SCH106CP**



SCHRADE

SCHRADE® OLD TIMER MOUNTAIN BEAVER JR. FOLDING KNIFE

9Cr18MoV High carbon stainless steel drop point blade with nail pull, nickel silver bolsters, heat-treated back spring and brass pins. Rosewood and Ebony handle with lanyard hole and leather belt sheath. Blade length: 2.5". Handle length: 3.6". Overall length: 6.1".

BK **280TCP**

SCHRADE

SCHRADE® UNCLE HENRY® GOLDEN SPIKE FOLDING POCKET KNIFE WITH LEATHER SHEATH



7Cr17 High carbon stainless steel clip point blade. Staglon bone handle with nickel silver guard and pommel. Brown leather belt sheath with sharpening stone. Blade length: 5". Handle length: 4.4". Overall length: 9.4".

BK **153UHCP**

SCHRADE

SCHRADE® UNCLE HENRY® SMOKEY FOLDING KNIFE WITH LEATHER SHEATH



Uncle Henry Smokey Lockback folding pocket knife. 7Cr17 High carbon stainless steel clip point blade with nail pull, Rosewood handle with nickel silver bolsters, brass pins and heat-treated back springs. Brown leather belt sheath. Blade length: 2.8". Handle length: 2.8". Overall length: 6.5".

BK **LB5CP**

SCHRADE

SCHRADE® UNCLE HENRY® 2 BLADE PRO TRAPPER FOLDING POCKET KNIFE

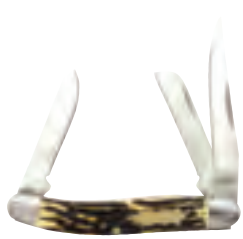


7Cr17 High carbon stainless steel clip point blade and spay blade with nail pulls, Staglon handles with nickel silver bolsters, brass pins and heat treated back springs.
Blade length: 3.2". Handle length: 3.9".
Overall length: 7.1".

BK **285UHCP**

SCHRADE

SCHRADE® UNCLE HENRY® PREMIUM STOCK 3 BLADE FOLDING POCKET KNIFE



7Cr17 High carbon stainless steel clip point sheepfoot blade and spay blade with nail pulls, Staglon handles with nickel silver bolsters, brass pins and heat treated back springs. Blade length: 2.8".
Handle length: 3.5". Overall length: 6.2".

BK **897UHCP**

SCHRADE

SCHRADE® OLD TIMER GUNSTOCK TRAPPER FOLDING KNIFE



7Cr17 High carbon stainless steel clip point blade and spay blade with nail pulls. Old Timer Sawcut handles with nickel silver bolsters, brass pins and heat-treated back springs.
Blade length: 3". Handle length: 3.9".
Overall length: 6.9".

BK **940TCP**

SCHRADE

SCHRADE® OLD TIMER MIDDLEMAN 3-BLADE FOLDING KNIFE



7Cr17 High carbon stainless steel clip point blade, Sheepsfoot blade and clip point pen blade with nail pulls. Old Timer Sawcut handles with nickel silver bolsters, brass pins and heat-treated back springs. Blade length: 2.4". Handle length: 3.3". Overall length: 5.7".

BK **340TCP**

SCHRADE

SCHRADE® OLD TIMER SHARPFINGER FULL TANG FIXED BLADE KNIFE



7Cr17 High carbon stainless steel clip point skinner blade. Old Timer Sawcut handle slabs with lanyard hole and brown leather belt sheath. Blade length: 3.3". Handle length: 3.7". Overall length: 7.1".

BK **152OTCP**

SCHRADE

SCHRADE® FULL TANG DROP POINT FIXED BLADE KNIFE



Stone washed 8Cr13MoV high carbon stainless steel drop point blade with jimping. Scalloped and notched G-10 handle overlay slabs with lanyard slot and multi-carry option Kydex/Belt sheath. Blade length: 3.4". Handle length: 4.5". Overall length: 7.9".

BK **SCHF14CP**

SCHRADE

SCHRADE® FULL TANG FIXED BLADE KNIFE



This black knife is made of 8Cr13MoV high carbon stainless steel. Clip point blade featuring thumb ramp with jimping and finger guard. TPE handle slabs with 4 finger grooves and lanyard slot. Multi-carry option thermoplastic belt sheath with grommet hole. Blade length: 4.2". Handle length: 5.2". Overall length: 9.4".

BK **SCHF32CP**

DEWALT



FOLDING POCKET KNIFE

- Stainless steel blade for durability and rust resistance
- Thumb stud for easy opening
- Slim, lightweight handle for a comfortable grip
- Combination blade with both serrated and straight edges
- Liner lock secures blade in open position

DEW **DWHT10272**

IRWIN



FOLDING UTILITY KNIFE

- Press-n-change button releases patented IRWIN® Bi-Metal BLUE BLADE™
- Wide thumb ledge
- Wire stripper notch
- Anchored belt clip
- Locking release

VG **2089100**

DEWALT



AUTOLOAD FOLDING KNIFE

- Automatically loads a new blade
- Quick and easy blade loading – intuitively functions as a regular folding knife
- Accepts all standard utility blades – does not require special blade packs
- Folding feature for quick and easy one-handed opening/closing

Item No.	Blade Storage	Retractable Blade	Handle Length	Weight
DEW **DWHT10261**	Yes	Yes	6¾"	0.38 lbs

DEWALT



FOLDING RETRACTABLE UTILITY KNIFE

- Retractable Blade offers variable cut depth
- Rapid Load Blade Change easy access button for quick blade change
- Folding Feature for quick and easy one-handed opening/closing
- Blade Storage for convenient access to new blades

Item No.	Blade Storage	Retractable Blade	Handle Length	Weight
DEW **DWHT10035L**	Yes	Yes	6"	0.35 lbs



SMARTEDGE® FOLDING UTILITY KNIFE

The first knife of its kind. Patented design — blade extends as knife is opened! Features blade-release button for quick changes, and locking design for foldaway storage. Super-strong, cut-away aluminum handle. Five blades included.

BK **770-7660**

Wiss®



QUICK-CHANGE FOLDING BLADE UTILITY KNIFE

- Blade safely folds into handle for compact size and easy storage
- Soft grip ergonomic handle for increased comfort
- Accepts all standard type utility knife blades
- Includes bonus 10 pack of blades

APX **WKF1**

DEWALT



FIXED BLADE KNIFE
- Easy, tool free open for quick blade change
- Slim nose for accurate cuts
- Rugged metal body for exceptional durability and life

Item No.	Blade Storage	Handle Length	Weight
DEW **DWHT10246**	Yes	6"	0.35 lbs

IRWIN



ProTouch™ RETRACTABLE KNIFE
- Quick-change® mechanism allows for easy blade removal & reversal without opening the knife
- Optimized cutting angle for reduced fatigue
- ProTouch™ ergonomic grip
- Inside storage for 5 blades

VG **2082200**

Wiss®



AUTO-RETRACTING UTILITY KNIFE
- Blade retracts automatically the moment it loses contact with the material being cut
- Helps reduce workplace injuries, reducing lost time and increasing productivity
- Accepts all standard type utility knife blades

APX **WKAR1**

IRWIN



HIGH-VISIBILITY RETRACTABLE UTILITY KNIFE
- Includes 3 IRWIN® BLUE BLADE™ Bi-Metal utility blades
- Bright orange for high visibility
- Smooth, three-position slide exposes variable blade lengths
- Optimized cutting angle for reduced fatigue
- Inside storage for 5 blades

VG **2082300**

DEWALT



RETRACTABLE KNIFE
- Blade storage in handle for convenient access to new blades
- Rapid load blade changing system for quick and easy blade change
- Rugged metal body for exceptional durability and life

Item No.	Blade Storage	Retractable Blade	Handle Length	Weight
DEW **DWHT10046**	Yes	Yes	6¾"	0.42 lbs

IRWIN



STANDARD RETRACTABLE UTILITY KNIFE
- Includes 1 IRWIN® BLUE BLADE™ Bi-Metal Utility Blade
- Optimized cutting angle for reduced fatigue
- Smooth, 3-position slide exposes variable blade lengths
- Screw permanently captured in casing to prevent loss
- Inside storage for 5 blades

VG **2082101**

IRWIN



STANDARD FIXED UTILITY KNIFE
- Includes 1 IRWIN® BLUE BLADE™ Bi-Metal Utility Blade
- Optimized cutting angle for reduced fatigue
- Screw permanently captured in casing to prevent loss
- Inside storage for 5 blades

VG **2081101**

Stanley Tools



THREE-POSITION RETRACTABLE KNIFE

Push the button to project or retract knife blade in 3 positions: full, half and quarter cut. Four blades are included and the extra blades are stored in the handle. Overall length: 6".

SER **2999** Retractable Knife
SER **3001** Replacement Knife Blades (5/Pack)

EVERCRAFT™



THREE-POSITION UTILITY KNIFE

Push the button to extend/ retract blade full, half or a quarter. Extra blade storage in handle (one included). Overall Length: 6".

BK **776-9002** Three-Position Utility Knife
BK **776-9003** Replacement Knife Blades (5/Pack)

DEWALT

SNAP-OFF KNIVES



DEW **DWHT10038**

- Integrated blade snapper makes snapping off used segments convenient and easy
- All metal body is heavy-duty and rust resistant
- Auto-locking blade slider for hassle free blade adjustments

Item No.	Blade Size	Cutting Points	Auto- Locking Slide	Handle Length	Weight
DEW **DWHT10037**	9mm	13	Yes	4¼"	0.14 lbs
DEW **DWHT10038**	18mm	8	Yes	6"	0.30 lbs
DEW **DWHT10045**	25mm	7	Yes	8"	0.46 lbs



EVERCRAFT

RETRACTABLE RAZOR KNIVES

Feature retractable, snap-off blades for quick renewal of cutting edge and convenient pocket-clip. Blade Length: 5¼". Quantity: 30.

BK **775-0240**

IRWIN

BLUE-BLADE™ BI-METAL UTILITY BLADE 5 PACK





The IRWIN® BLUE BLADE™ is a revolutionary, unbreakable utility blade. Its patented bi-metal technology sets new standards of performance by producing a blade that is unbreakable under normal working conditions, and lasts longer than traditional carbon blades.

VG **2084100**

IRWIN

BLUE-BLADE™ BI-METAL UTILITY BLADE 20 PACK WITH DISPENSER



The IRWIN® BLUE BLADE™ is a revolutionary, unbreakable utility blade. Its patented bi-metal technology sets new standards of performance by producing a blade that is unbreakable under normal working conditions, and lasts longer than traditional carbon blades. Easily dispenses a single or multiple blades.

VG **2084200**

IRWIN

BLUE-BLADE™ BI-METAL UTILITY BLADE 50 PACK WITH DISPENSER



The IRWIN® BLUE BLADE™ is a revolutionary, unbreakable utility blade. Its patented bi-metal technology sets new standards of performance by producing a blade that is unbreakable under normal working conditions, and lasts longer than traditional carbon blades. Easily dispenses a single or multiple blades.

VG **2084300**

Wiss®

UTILITY BLADES



- High quality steel
- Fit most utility knives
- Heavy duty blades

APX **RWK14V**



HEAVY-DUTY UTILITY BLADES



For cutting mats, carpeting, wallboard, wallpaper, tile, plastic and wood. Card of five.

BK **770-3428**

CARLYLE NAPA

17-IN-1 PRECISION MULTI-TOOL



17-In-1 multi-purpose precision tool features stainless steel attachments, blue padded stainless steel handle. Some of the functions are long nose and regular pliers, 1/4", 3/16", 1/8", and 1/16" slotted screwdrivers, #2 Phillips screwdriver 2½" drop point blade, 2½" serrated blade, 2½" wood saw, wire cutters, wire strippers, hard file, soft file, bottle opener, nail cleaner and an awl. Tool comes with a convenient nylon belt pouch.

CHT **MT17**

SCHRADE®

SCHRADE® 21 FUNCTION MULTI-TOOL



Made of 2Cr13 stainless steel. Features needle nose and regular pliers, vise, wire cutter, cap lifter, can opener, locking Phillips screwdriver, scribe, awl, leather bore, locking dual edge knife and metal & wood file. Also features measuring gauge, hook disgorger, locking heavy duty saw blade, scraping blade, wire strippers, locking large flat & fine flat head screwdriver. Lanyard attachment and black nylon belt sheath.

BK **ST1NCP**

SERVICE & MAINTENANCE TOOLS

Compression Testing 179-181
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Suspension Tools 186-193
Thread Repair 151-156
Torque Wrenches 208-210
Twist Sockets 156-157



5.5MM FORD DISTRIBUTOR MODULE SOCKET
Easily remove and replace mounting screws on Ford ignition modules that are attached to the distributor. The module can be replaced without removing the distributor. Use it with 1/2" open or box wrench or 1/4" square drive 1/2" socket. The socket is plated for corrosion resistance.
CAUTION: For intended use only.
SER **3197**



OFFSET DISTRIBUTOR CLAMP WRENCHES
Used to reach around obstructions to turn the distributor lock bolt/nut with this double-ended wrench. Drop forged steel construction. Chrome-plated to resist corrosion.
BK **776-9053** 1/2" & 9/16"
BK **776-9228** 13mm & 15mm



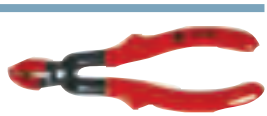
GM IGNITION MODULE SOCKET
For removal and installation of distributor caps. Extra deep socket used on ignition switches.
SER **3940**

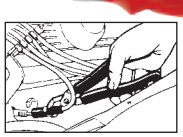


FORD IGNITION MODULE WRENCH
For installing or removing ignition modules on Ford products. The *BK* **775-5930** 7/32" hex and *BK* **775-5915** T-20 Star bit fits most Ford applications. Features two heat-treated, carbon steel shanks and a knurled aluminum knob. Can be rotated by hand or with 1/2" wrench.
BK **776-9051**



FORD MODULE WRENCH
Use wrench to remove and install Ford ignition modules without removing or moving distributor. Dual-ended ratchet wrench features both 7/32" (5.5mm) and T-20 Torx® for most Ford applications. Wrench is designed with 25° offset to fit in confined areas.
SER **3410**

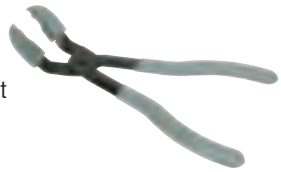




SPARK PLUG TERMINAL PLIERS
Safely remove spark plug cables and prevent cable damage. Pliers handles and jaws are coated with a heavy-duty plastic for a sure grip.
SER **135**



SPARK PLUG BOOT PULLER
Use this non-conductive tool to safely remove spark plug boots with the engine running. A flexible shaft makes it easy to reach the spark plug boot. Tool helps you avoid engine burns.
SER **2568**



INSULATED SPARK PLUG BOOT PULLER
Removes spark plug wires safely without damage to the wires. Angle nose for easy access. Nylon insulated tips. Comfort grip vinyl handles. Non-conductive rubber-coated handles and jaws.
BK **776-9236**



6 IN. SPARK PLUG TERMINAL PLIERS
Safely disconnects wires from spark plugs, while preventing wire damage. Nylon construction insulates technician from shock and heat, providing both safety and comfort. Length: 6".
BK **776-9050**



TAPERED SPARK PLUG STOPPERS
Plugs empty spark plug holes, preventing foreign debris from entering piston combustion chamber. Extra-long handles for overhead cam engines. Can also be used to plug air conditioning and oil lines. Quantity: 8.
BK **735-1292**



FORD GLOW PLUG INSTALLER/REMOVER
Prevents damage to the harness and connector rail.
SER **504**



IGNITION FILE
Use tool to file ignition points and other small objects. The thin blade has a fine grid on both sides and is ideal for removing carbon from points.
SER **2153**



IGNITION POINT FILE
Precise double cut file pattern. Doubles as light-duty general purpose file. High grade steel construction.
BK **776-9143**



COIL-ON PLUG IGNITION SPARK TESTER
Extended terminal, longer collar that plugs into coil boot and has 12" ground wire with clip for convenience. Adjustable gap allows technicians to preset spark tester for output being tested from 0 to 40 kV. Includes safety shield.
BK **700-2426**

THEXTON



ADJUSTABLE IGNITION SPARK TESTER

Tests for no-start conditions and spark strength on high-energy electronic ignition systems, as well as small engines. Screw assembly easily adjusts spark gap to accommodate the requirements of different ignition systems (0-40,000 V). Gauge background makes spark easy to see for accurate measurement and alligator clip securely fastens to ground.

BK **700-2015**

OTC



ELECTRONIC IGNITION SPARK TESTER

A quick way to check no-start vehicles for ignition problems. Simply disconnect the plug wire and connect it to tester. Clamp the tester to a good engine ground, crank the engine and watch for spark. Properly working electronic ignition systems will be able to jump a spark across the tester's spark gap (preset at 0.250 inches). *BK* **700-2456** is recommended for checking spark on DIS or EDIS applications. A good DIS or EDIS will fire two testers at once. Using two allows for checking individual coil packs (*BK* **700-2456**) may not work on point-type ignitions because they may not generate enough spark to jump the wide gap).

BK **700-2456**

HeliCoil

THREAD REPAIR KITS

The most effective and universally accepted method of thread repair. Inserts work quickly and permanently to restore stripped, worn, or damaged threads to their original size and condition. Inserts work on any part or material, including aluminum, magnesium, cast iron, bronze, and more. Additionally, threads can be restored on spark plug ports, carburetor fuel inlets, transmission housings, oil drain plugs, exhaust and intake manifolds, head bolt holes, and more! Heli-Coil not only saves time, but can also increase repair capabilities by restoring parts that otherwise would have to be scrapped. Heli-Coil Inserts maintain original thread size, which means the original fastener can be used.

Sizes

Inch Coarse (USS): ..... #4-1 1/2"
Inch Fine (SAE): ..... #10-1 1/2"
Metric Coarse: M5-M10
Metric Fine: M10-M12
Spark Plug: ..... 7/8", M10, M12, M14, M18



BK **770-3042**



BK **770-3020**

METRIC COARSE & FINE THREAD REPAIR KITS

Thread Size x Length	Drill Size	Kit Item No.	Kit Contents: Kit Qty.	Thread Insert Item No.	Kit Qty.	Tap Item No.	Kit Qty.	Installation Tool Item No.
Metric Coarse Thread Repair Kits & Inserts								
M5 x .08 x 7.5mm	13/64"	*BK* **770-3090**	12	*BK* **770-3099**	1	*BK* **770-3250**	1	*BK* **770-3358**
M6 x 1 x 9mm	1/4"	*BK* **770-3091**	12	*BK* **770-3124**	1	*BK* **770-3251**	1	*BK* **770-3351**
M7 x 1 x 10.5mm	9/32"	*BK* **770-3092**	12	*BK* **R1084-7**	—	*	—	—
M8 x 1.25 x 12mm	21/64"	*BK* **770-3093**	12	*BK* **770-3199**	1	*BK* **770-3253**	1	*BK* **770-3353**
M9 x 1.25 x 13.5mm	23/64"	*BK* **770-3411**	12	*BK* **770-3412**	—	—	—	—
M10 x 1.5 x 15mm	13/32"	*BK* **770-3094**	12	*BK* **770-3026**	1	*BK* **770-3254**	1	*BK* **770-3354**
M11 x 1.5 x 16.5mm	29/64"	*BK* **770-3190**	6	*BK* **770-3194**	1	*BK* **770-3192**	1	*BK* **770-3193**
M12 x 1.75 x 18mm	31/64"	*BK* **770-3191**	6	*BK* **770-3197**	1	*BK* **770-3195**	1	*BK* **770-3196**
Metric Fine Thread Repair Kits & Inserts								
M10 x 1.25mm	13/32"	*BK* **770-3020**	12	*BK* **770-3025**	1	*BK* **770-3216**	1	*BK* **770-3320**
M11 x 1.25 x 16.5mm	29/64"	*BK* **770-3409**	6	*BK* **770-3410**	—	—	—	—
M12 x 1.50 x 18mm	31/64"	*BK* **770-3095**	6	*BK* **770-3159**	1	*BK* **770-3255**	1	*BK* **770-3355**

Tap included.

HeliCoil



BK **770-3046**



BK **770-3126**



BK **770-3208**



BK **770-3308**

INCH COARSE & FINE THREAD REPAIR KITS

Thread Size x Length	Drill Size	Kit Item No.	Kit Contents: Kit Qty.	Thread Insert Item No.	Kit Qty.	Tap Item No.	Kit Qty.	Installation Tool Item No.
USS – Inch Coarse Thread Repair Kits & Inserts								
1/4"-20 x 0.25"	17/64"	—	—	—	1	*BK* **770-3206**	1	*BK* **770-3306**
1/4"-20 x 0.375"	17/64"	*BK* **770-3044**	12	*BK* **770-3144**	1	*BK* **770-3206**	1	*BK* **770-3306**
1/4"-20 x 0.5"	17/64"	—	—	—	1	*BK* **770-3206**	1	*BK* **770-3306**
5/16"-18 x 0.31"	21/64"	—	—	—	1	*BK* **770-3207**	1	*BK* **770-3307**
5/16"-18 x 0.469"	21/64"	*BK* **770-3045**	12	*BK* **770-3143**	1	*BK* **770-3207**	1	*BK* **770-3307**
5/16"-18 x 0.625"	21/64"	—	12	*BK* **770-3143**	1	*BK* **770-3207**	1	*BK* **770-3307**
3/8"-16 x 0.375"	25/64"	—	—	—	1	*BK* **770-3208**	1	—
3/8"-16 x 0.56"	25/64"	*BK* **770-3046**	12	*BK* **770-3126**	1	*BK* **770-3208**	1	—
7/16"-14 x 0.656"	29/64"	*BK* **770-3047**	6	*BK* **770-3165**	1	*BK* **770-3209**	1	*BK* **770-3309**
1/2"-13 x 0.5"	17/32"	—	—	*BK* **770-3121**	1	*BK* **770-3210**	1	*BK* **770-3310**
1/2"-13 x 0.75"	17/32"	*BK* **770-3048**	6	*BK* **770-3166**	1	*BK* **770-3210**	1	*BK* **770-3310**
9/16"-12 x 0.84"	19/32"	*BK* **770-3049**	6	*BK* **R1185-9**	1	*BK* **770-3211**	1	*BK* **770-3311**
5/8"-11 x 0.625"	21/32"	—	—	—	1	*BK* **770-3212**	1	*BK* **770-3312**
5/8"-11 x 0.938"	21/32"	*BK* **770-3071**	6	*BK* **770-3168**	1	*BK* **770-3212**	1	*BK* **770-3312**
3/4"-10 x 1.1"	25/32"	*BK* **770-3072**	4	*BK* **770-3198**	1	*BK* **770-3213**	1	*BK* **770-3313**
7/8"-9 x 1.3"	29/32"	*BK* **770-3073**	1	*BK* **K1185-14**	1	*BK* **770-3214**	1	—
1-8 x 1.5"	11/32"	*BK* **770-3074**	1	*BK* **K1185-16**	1	*BK* **770-3215**	1	*BK* **770-3315**
6-32 x 0.207"	#25	*BK* **770-3002**	12	*BK* **R1185-06**	1	*BK* **770-3202**	1	*
8-32 x 0.246"	11/64"	*BK* **770-3041**	12	*BK* **770-3156**	1	*BK* **770-3203**	1	*BK* **770-3303**
10-24 x 0.285"	13/64"	*BK* **770-3042**	12	*BK* **770-3189**	1	*BK* **770-3204**	1	*BK* **770-3304**
12-24 x 0.32"	15/64"	*BK* **770-3043**	12	*BK* **770-3157**	1	*BK* **770-3205**	1	*BK* **770-3305**
SAE – Inch Fine Thread Repair Kits & Inserts								
1/4"-28 x 0.375"	17/64"	*BK* **770-3081**	12	*BK* **R1191-4**	1	*BK* **770-3231**	—	*
5/16"-24 x 0.469"	21/64"	*BK* **770-3082**	1	*BK* **R1191-5**	1	*BK* **770-3232**	1	*BK* **770-3332+**
3/8"-24 x 0.56"	25/64"	*BK* **770-3083**	12	*BK* **770-3098**	1	*BK* **770-3233**	1	*BK* **770-3333+**
7/16"-20 x 0.656"	29/64"	*BK* **770-3084**	6	*BK* **R1191-7**	1	*BK* **770-3234**	1	*BK* **770-3334+**
1/2"-20 x 0.75"	33/64"	*BK* **770-3085**	6	*BK* **R1191-8**	1	*BK* **770-3235**	1	*BK* **770-3335+**
1/2"-20 x 1"	33/64"	—	6	*BK* **R1191-8-2**	1	*BK* **770-3235**	—	—
9/16"-18 x 0.84"	37/64"	*BK* **770-3086**	6	*BK* **R1191-9**	1	*BK* **770-3217**	1	*BK* **770-3336+**
5/8"-18 x 0.938"	41/64"	*BK* **770-3087**	6	*BK* **R1191-10**	1	—	1	*BK* **770-3337+**
3/4"-16 x 1.1"	49/64"	*BK* **770-3088**	4	*BK* **R1191-12**	1	*BK* **770-3238**	1	*
7/8"-14 x 1.3"	57/64"	*BK* **770-3089**	1	*BK* **K1191-14**	1	—	1	—
1-14 x 1.5"	11/64"	—	1	*BK* **K1191-16**	1	—	1	*BK* **770-3340+**
10-32 x 0.285"	13/64"	*BK* **770-3080**	12	*BK* **770-3158**	1	*BK* **770-3230**	—	*

* ***Inserting tool or mandrel and pre-winding tool included.***
\+ ***Pre-winding tool included.***



MASTER INCH COARSE THREAD REPAIR KIT

Includes the products necessary to solve a wide variety of the most common coarse thread repair problems. Kit comes packaged in a handy, custom-molded case. Drill specifications, product reference chart and instruction sheet included.

BK **770-3021**

Qty.	Item No.	Description
12	*BK* **770-3144**	Insert, 1/4"-20 x 0.375" (13/64" Drill)
12	*BK* **770-3143**	Insert, 5/16"-18 x 0.469" (21/64" Drill)
12	*BK* **770-3126**	Insert, 3/8"-16 x 0.56" (25/64" Drill)
6	*BK* **770-3165**	Insert, 7/16"-14 x 0.656" (29/64" Drill)
6	*BK* **770-3166**	Insert, 1/2"-13 x 0.75" (17/32" Drill)
6	*BK* **770-3168**	Insert, 5/8"-11 x 0.9" (21/32" Drill)
1	*BK* **770-3306**	Installation Tool, 1/4"-20 Thread
1	*BK* **770-3307**	Installation Tool, 5/16"-18 Thread
1	*BK* **770-3309**	Installation Tool, 7/16"-14 Thread
1	*BK* **770-3310**	Installation Tool, 1/2"-13 Thread
1	*BK* **770-3312**	Installation Tool, 5/8"-11 Thread
1	*BK* **770-3206**	Tap, 1/4"-20 Thread
1	*BK* **770-3207**	Tap, 5/16"-18 Thread
1	*BK* **770-3208**	Tap, 3/8"-16 Thread
1	*BK* **770-3209**	Tap, 7/16"-14 Thread
1	*BK* **770-3210**	Tap, 1/2"-13 Thread
1	*BK* **770-3212**	Tap, 5/8"-11 Thread

CAUTION: Always wear eye and face protection.

HeliCoil

STAINLESS STEEL METRIC THREAD REPAIR TOOLS

Size	Drill Size	Steel Drill Size	Thread Insert Item No.	Tap Item No.	Installation Tool Item No.
M5 x 0.8mm	13/64"	4mm (0.209")	*BK* **770-3099**	*BK* **770-3250**	*BK* **770-3358**
M6 x 1mm	1/4"	6.4mm (0.252")	*BK* **770-3124**	*BK* **770-3251**	*BK* **770-3351**
M7 x 1mm	9/32"	L (0.29")	*BK* **R1084-7**	—	—
M8 x 1.25mm	21/64"	Q (0.332")	*BK* **770-3199**	*BK* **770-3253**	*BK* **770-3353**
M10 x 1.25mm	13/32"	13/32" (0.406")	*BK* **770-3025**	*BK* **770-3216**	*BK* **770-3320**
M10 x 1.5mm	13/32"	Z (0.41")	*BK* **770-3026**	*BK* **770-3254**	*BK* **770-3354**
M11 x 1.5mm	29/64"	Z (0.453")	*BK* **770-3194**	*BK* **770-3192**	*BK* **770-3193**
M12 x 1.5mm	31/64"	12.5mm (0.492")	*BK* **770-3159**	*BK* **770-3255**	*BK* **770-3355**
M12 x 1.75mm	31/64"	1/2" (0.5")	*BK* **770-3197**	*BK* **770-3195**	*BK* **770-3196**



BK **770-3025**



BK **770-3250**

BK **770-3320**

SAV-A-THREAD SPARK PLUG THREAD REPAIR INSERTS

Size: M14 x 1.25. Quantity: Pack/6.



Item No.	Description
BK **770-3405**	Short Reach
BK **770-3406**	Normal Reach
BK **770-3407**	Long Reach

METRIC M11 X 1.5 HEAD BOLT THREAD REPAIR

This kit is typically used in 4.0 and 4.2 liter General Motors engines including Cadillac as well as many others such as Honda and Toyota. Extended reach installation. Stop collar on tool controls the installation depth. Custom length inserts (33mm) for proper head bolt engagement.

BK **770-5250**



Contents

Qty.	Item No.	Description
12	*BK* **770-5251**	Stainless Steel Inserts
1	*BK* **770-5252**	High Speed Tap
1	*BK* **770-5253**	Installation Tool
1	*BK* **770-5254**	High Speed Drill Bit

OXYGEN SENSOR THREAD REPAIR KIT

Quickly and permanently restores damaged exhaust manifold oxygen sensor threads. Piloted reamer tap enables perfect alignment of new tapped hole—no drilling necessary. Corrosion-resistant, stainless steel inserts improve future serviceability. Ideal for professional engine rebuilders and do-it-yourself consumers.

BK **770-6956**



Contents

Qty.	Item No.	Description
1	*BK* **770-6957**	Insert, M18 x 1.5
1	*BK* **770-6958**	Installation Tool
1	*BK* **770-6959**	Tap, Piloted Reamer

MASTER METRIC COARSE THREAD REPAIR KIT

BK **770-3023**



Contents

Qty.	Item No.	Description
12	*BK* **770-3099**	Insert, M5 x 0.08mm (13/64" Drill)
12	*BK* **770-3124**	Insert, M6 x 1mm (1/4" Drill)
12	*BK* **770-3199**	Insert, M8 x 1.25mm (21/64" Drill)
12	*BK* **770-3026**	Insert, M10 x 1.5mm (13/32" Drill)
1	*BK* **770-3358**	Installation Tool, M5 x 0.08mm
1	*BK* **770-3351**	Installation Tool, M6 x 1mm
1	*BK* **770-3353**	Installation Tool, M8 x 1.25mm
1	*BK* **770-3354**	Installation Tool, M10 x 1.5mm
1	*BK* **770-3250**	Tap, M5 x 0.08mm
1	*BK* **770-3251**	Tap, M6 x 1mm
1	*BK* **770-3253**	Tap, M8 x 1.25mm
1	*BK* **770-3254**	Tap, M10 x 1.5mm

SAV-A-THREAD™ SPARK PLUG THREAD REPAIR KITS

The only thread repair products that can be used to repair both taper-seat and gasket-type spark plug assemblies. With three insert lengths to accommodate all reaches and a positive mechanical-locking feature, Sav-A-Thread™ is the easiest way to permanently repair stripped spark plug hole threads.

5 PC. SAV-A-THREAD™ SPARK PLUG THREAD REPAIR KIT

For aluminum or cast-iron heads. Thread Size: M14 x 1.25.

BK **770-3223**



Contents

Qty.	Item No.	Description
1	*BK* **770-3005**	Expanding Tool
1	*BK* **770-3222**	Insert, Long Reach
1	*BK* **770-3221**	Insert, Normal Reach
1	*BK* **770-3220**	Insert, Short Reach
1	*BK* **770-3007**	3" Tap

HeliCoil

SAV-A-THREAD™ MASTER SPARK PLUG THREAD REPAIR KIT

Thread Size: M14 x 1.25.

BK **770-3408**



Contents

Qty.	Item No.	Description
6	*BK* **770-3407**	Insert, Long Reach
6	*BK* **770-3406**	Insert, Normal Reach
6	*BK* **770-3405**	Insert, Short Reach
1	—	Tap, Piloted
1	—	Expanding Tool

HeliCoil

14-1.25MM SPARK PLUG THREAD REPAIR KIT

BK **770-3065**



Contents

Qty.	Item No.	Description
6	*BK* **770-3167**	Insert, 1/2" Reach
1	*BK* **770-3262**	Installation Tool
1	*BK* **770-3260**	Tap

NOTE: Do not use Heli-Coil wire inserts to repair taper-seat spark plug ports.

HeliCoil

14-1.25MM SPARK PLUG THREAD REPAIR PARTS

Item No.	Description	Qty.
BK **770-3169**	Insert, 3/8" Reach	6
BK **770-3077**	Insert, 7/16" Reach	6
BK **770-3167**	Insert, 1/2" Reach	6
BK **770-3078**	Insert, 3/4" Reach	6
BK **770-3262**	Installation Tool	1
BK **770-3260**	Tap	1



BK **770-3260**

NOTE: Do not use Heli-Coil wire inserts to repair taper-seat spark plug ports.

HeliCoil

18-1.5MM SPARK PLUG THREAD REPAIR KIT

BK **770-3066**



Contents

Qty.	Item No.	Description
6	*BK* **770-3079**	Insert, 1/2" Reach
1	*BK* **770-3263**	Installation Tool
1	*BK* **770-3261**	Tap

NOTE: Do not use Heli-Coil wire inserts to repair taper-seat spark plug ports.

HeliCoil

18-1.5MM SPARK PLUG THREAD REPAIR PARTS

Item No.	Description	Qty.
BK **770-3079**	Insert, 1/2" Reach	6
BK **770-3263**	Installation Tool	1
BK **770-3261**	Tap	1



BK **770-3261**

NOTE: Do not use Heli-Coil wire inserts to repair taper-seat spark plug ports.

HeliCoil

FORD SPARK PLUG THREAD REPAIR KIT

Designed for half-thread (HT) spark plug applications on Ford 4.6- and 5.4-liter engines. Allows access to deep ports and positive mechanical locking ensures insert will not come out.

BK **770-3003**



Contents

Qty.	Item No.	Description
1	*BK* **770-3005**	Expanding Tool
12	*BK* **770-3004**	Insert, Half-Thread (M14 x 1.25)
1	*BK* **770-3006**	Installation Tool, Steel
1	*BK* **770-3007**	3" Tap, Piloted Reamer

HeliCoil



BK **770-3005**

BK **770-3006**

BK **770-3007**

BK **770-3004**

FORD SPARK PLUG THREAD REPAIR PARTS

Item No.	Description
BK **770-3004**	Insert, Half-Thread (M14 x 1.25)
BK **770-3005**	Expanding Tool
BK **770-3006**	Installation Tool, Steel
BK **770-3007**	3" Tap, Piloted Reamer

NAPA ServiceTools

FORD TRITON SPARK PLUG INSERT REPLACEMENT SET

Ford Triton 2 Valve Engines 2003-96



Ford spark plug insert installer is designed to aid in repairing the Ford modular cylinder heads on four valve engines (Not for 3 valve engines or DOHC). Quality, fool-proof repair system that is fast, cost-effective and simple to use. Used to repair damaged heads from blown spark plugs, with alloy steel insert. Includes six thread inserts. Thicker than competitive brands, this allows for a superior repair. Spark Plug Rethread Kit Thread Size: 14 x 1.25mm Taper Seat.

SER **38900** Spark Plug Insert Replacement Set
SER **389-100** Replacement Spark Plug Insert

NAPA ServiceTools

FORD TRITON SPARK PLUG EXTRACTION TOOL



Removes broken spark plugs on 2004-Up Ford Tritons with three-valve per cylinder engines. Unique porcelain pusher tool and tapered left-hand thread remover enable the extraction of spark plug without leaving porcelain in engine cylinder. Pusher is used to press porcelain piece farther into plug tip without breaking it, providing space for left-hand thread remover to bite into stainless steel plug tip.

SER **77-4021**

FORD SPARK PLUG EXTRACTOR



Removes broken spark plugs from the cylinder head on Ford Triton 5.4 l, 4.6 l, and 6.8 l, 3-valve engines without removing the head. Includes threaded shaft, barrel, washer, thrust nut, tap and vinyl cap.

SER **4663**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

THREAD INSERT KIT



Inserts work quickly and permanently to restore stripped, worn or damaged threads to original size and condition. Includes six inserts.
Thread size: 12 x 1.25mm.

BK **770-3022**

SPARK PLUG THREAD INSERTS



Spark plug free running stainless steel inserts are cold-rolled to a diamond cross section producing an ultimate tensile strength. Usually far exceeding tap material and is best suited for most industrial needs.

Item No.	Thread Size	Drill Bit Size	Length	Qty.
BK **R482-1**	M12-1.25	31/64"	1/2"	6
BK **R482-2**	M12-1.25	31/64"	3/4"	6
BK **R513-20**	M14-1.25	9/16"	.472"	6

14MM SPARK PLUG THREAD CHASER



Tool features extra-long neck for access to recessed spark plug cavities. Groove and O-ring holds tool in socket. Use with 3/8" drive tool or 5/8" socket.

SER **3379**

UNIVERSAL OUTSIDE THREAD CHASER



Quickly restores threads to near-original condition. Replaceable v-pads and six dies. Outer Diameter: 1 1/4"-5". Threads/Inch: 4, 5, 6, 7, 7 1/2, 8, 9, 10, 11, 11 1/2, 12, 14, 16, 18, 20, 24.

BK **700-2459**

14 & 18MM SPARK PLUG OPENING THREAD CHASER



Clean and restore spark plug threads. Use with a 13/16" socket. Rubber ring eliminates slipping. Tool services most cars. 14mm x 1.25mm x 1.50mm.

SER **730**

14MM SPARK PLUG INSERT REAMER/TAP



Opens threads in damaged spark plug holes prior to using spark plug thread inserts. Use inserts *BK* **2126** through *BK* **2129** to repair 14mm spark plug holes on aluminum heads only.

SER **2123**

14MM SPARK PLUG THREAD INSERTS



Used to replace damaged 14mm spark plug threads on aluminum head engines only. Use with *SER* **2123** reamer/tap to repair holes. Thread locking compound and 1 pair of inserts are included in each item.

Item No.	Insert Length	Item No.	Insert Length
SER **2126**	3/8"	*SER* **2128**	1/2"
SER **2127**	7/16"	*SER* **2129**	3/4"

BACK-TAP 10 & 12MM SPECIAL 2 PC. IMPORT VEHICLE SET



Item No.	Description	*SER* **3691 2 Pc. Set**
SER **3688**	Internal Thread Chasers 10mm	•
SER **3689**	Internal Thread Chasers 12mm	•

BACK-TAP 18MM SPARK PLUG RETHREAD TOOL FOR 2002



SER **3690**

14MM CYLINDER HEAD THREAD REPAIR KIT



Repair damaged 14mm spark plug threads by opening hole with a reamer/tap and screwing insert onto the spark plug. Use spark plug socket to install spark plug and insert. Remove plug and check that insert is properly seated. Set includes 1 each of 4 inserts: 3/8", 7/16", 1/2" and 3/4" reach and thread locking compound. Tap is designed for aluminum heads only. **Does not require drill bit.**

SER **2125**

CAUTION: Always wear eye and face protection.

IRWIN



10 PC. SAE DEEP WELL THREADCHASER COMPLETE SET

- Cleans & repairs threads without damaging the stud or fastener
- Repairs threads in recessed areas
- Low profile hexagonal head allows you to repair studs in circular arrangements which cannot bedone w/ a die stock
- 52100 high carbon steel
- Set includes: 3/8-16 NC, 7/16-14 NC, 1/2-13 NC, 9/16-12 NC, 5/8-11 NC, 3/8-24 NF, 7/16-20 NF, 1/2-20 NF, 9/16-18 NF, 5/8-18 NF, Deep Well Thread Chasers

VG **3094102**

IRWIN



5 PC. DEEP WELL BOLT-GRIP SET

- Low profile head allows access to recessed fasteners
- Deep well design allows access to fasteners on longer studs
- Reverse spiral flutes bite into fastener for easy removal
- Contains (1) ea: 3/8", 7/16"-11mm, 1/2", 9/16"-14mm, 5/8"-16mm

VG **3094001**

IRWIN



5 PC. SAE COARSE DEEP WELL THREADCHASER SET

- Cleans & repairs threads without damaging the stud or fastener
- Repairs threads in recessed areas
- Low profile hexagonal head allows you to repair studs in circular arrangements which cannot be done w/ a die stock
- 52100 high carbon steel
- Set includes: 3/8-16 NC, 7/16-14 NC, 1/2-13 NC, 9/16-12 NC, 5/8-11 NC Deep Well Thread Chasers

VG **3094100**

IRWIN



5 PC. SAE FINE DEEP WELL THREADCHASER SET

- Cleans & repairs threads w/o damaging the stud or fastener
- Repairs threads in recessed areas
- Low profile hexagonal head allows you to repair studs in circular arrangements which cannot be done w/ a die stock
- 52100 high carbon steel
- Set includes: 3/8-24 NF, 7/16-20 NF, 1/2-20 NF, 9/16-18 NF, 5/8-18 NF Deep Well Thread Chasers

VG **3094101**

IRWIN



4 PC. METRIC DEEP WELL THREADCHASER SET

- Cleans and repairs threads w/o damaging the stud or fastener
- Repairs threads in recessed areas
- Low profile hexagonal head allows you to repair studs in circular arrangements which cannot be done with a die stock
- 52100 high carbon steel
- Set includes: 12mm-1.25, 12mm-1.50, 14mm-1.50, 16mm-1.50, Deep Well Thread Chasers

VG **3094104**

Ken-Tool WHEREVER TIRES ARE CHANGED™



SPC **30108**

13 PC. TWIST SOCKET SETS

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.



SPC **30106**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1/2" socket
11/16" socket	3/8" socket
9/16" socket	10 mm socket
7/16", 11 mm socket	12 mm socket
13 mm socket	14 mm socket
15 mm socket	5/8", 16 mm socket
17 mm socket	

Item No.	Description	Drive	Weight
SPC **30108**	On Rail	3/8"	1.6 lbs. (.7 kg)
SPC **30106**	In Case (Includes punch pin)	3/8"	1.9 lbs. (.9 kg)

Ken-Tool WHEREVER TIRES ARE CHANGED™



10 PC. SLIM TWIST SOCKET SET W/EXTERNAL HEX

Quickly removes damaged or rounded nuts, bolts, studs, and socket head cap screws in tight quarters. The through hole design allows them to also be used on long studs. Fits SAE sizes 3/8" to 3/4" and metric sizes from 9mm up to 19mm. Used where standard twist sockets will not fit. Can be used with an open-end wrench, or with a socket.

Contents

Item No.	Description
SPC **30271-01**	9mm; ext. hex 5/8" socket
SPC **30271-02**	10mm, 3/8"; ext. hex 5/8" socket
SPC **30271-03**	11mm, 7/16"; ext. hex 11/16" socket
SPC **30271-04**	12mm; ext. hex 3/4" socket
SPC **30271-05**	13mm, 1/2" ext. hex 3/4" socket
SPC **30271-06**	14mm, 9/16" ext. hex 13/16" socket
SPC **30271-07**	15mm; ext. hex 7/8" socket
SPC **30271-08**	16mm, 5/8"; ext. hex 15/16" socket
SPC **30271-09**	17mm, 11/16" ext. hex 1" socket
SPC **30271-10**	19mm, 3/4" ext. hex 1 1/16" socket

Item No.	Description
SPC **30271**	10 Pc. Set in Plastic Case



SPC **30109**



SPC **30107**

9 PC. TWIST SOCKET SETS

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.

Contents

Socket Sizes	Socket Sizes
19 mm, 3/4" socket	12 mm socket
5/8", 16 mm socket	13 mm socket
10 mm socket	14 mm socket
7/16", 11 mm socket	15 mm socket
	17 mm socket

Item No.	Description	Drive	Weight
SPC **30109**	On Rail	3/8"	2.8 lbs. (1.2 kg)
SPC **30107**	In Case (Includes punch pin)	3/8"	1.5 lbs. (.7 kg)



8 PC. TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs.
Convenient storage/ organizer bar. 1/4" drive, 9 lbs (.4 kg).

Contents

Socket Sizes	Socket Sizes
6 mm socket	13 mm socket
8 mm socket	14 mm socket
10 mm socket	15 mm socket
12 mm socket	17 mm socket

SPC **30117**



5 PC. TWIST SOCKET SET W/PUNCH

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Convenient storage/organizer bar. 1/2" drive, 2 lbs (.9 kg).

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1" socket
15/16" socket	7/8" socket
13/16" socket	punch pin

SPC **30118**



5 PC. DEEP TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Unique spiral fluting bites onto the damaged fastener and won't let go. Designed for general automotive applications. Convenient storage/ organizer bar. Drive 1/2". Weight 2.5 lbs. (1.1 kg.).

SPC **30116**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1" socket
15/16" socket	7/8" socket
13/16" socket	

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.



HOLLOW END LINE TAPS

Hollow end line taps help rethread female fittings without line removal in order to make it easier to service A/C and hydraulic line fitting threads that become corroded over time and otherwise break when disconnected. The hollow end tap slides over flared end of the line easily, rethreading the female connector. Kit includes eight pieces covering all popular sizes. Can be used on brake, oil, transmission and heater lines. Tap sizes 14, 16, 18, 20, 22, 24, 27mm and 1 1/8".

BK **700-2567**



SHOCKIT KIT SOCKET

This kit allows the technician to firmly and securely shock the fastener loose using a hammer. Offset punch is 7 1/2" length. Includes very low-profile sockets to fit over frozen nuts and bolts. The sockets have a raised flat edge. Included is a custom offset punch designed to fit the raised edge of the socket. Drive sizes 1/2" (12mm), 9/16" (1mm), 5/8" (16mm), 11/16" (17mm) and 3/4" (19mm). Contents: (5) Sockets, (1) Punch Tool and (1) Socket Rail.

BK **700-2566**

CAUTION: Always wear eye and face protection.

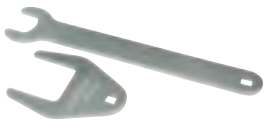
EVERCRAFT

FORD FAN CLUTCH WRENCH SET

Use to remove and replace the thermostatic fan assembly. Use with 1/2" drive tools and breaker bar for added torque. Check service manual for torque specifications and thread direction. Wrench openings: Long 36mm, Short 58mm.

Applications

4.9L E and F Series truck engines
1993-84
4.6L Ford modular engines
2.8L Engines 1987-84
2.9L to 3.0L Engines 1988 to current



BK **776-9242**

EVERCRAFT



GM FAN CLUTCH WRENCH

Designed to work on 10mm or 13mm pulley bolts. Rubber-coated handle for positive grip.

Applications

1996 and later GM trucks and vans
4.3L Astro and Safari vans, Blazer/Jimmy SUV, 2.2L and 4.3L S-10 and Sonoma Pick-up trucks.
4.3L, 5.0L C1500, C2500, C3500, K1500, C1500/Sierra, C2500 Sierra, C3500 Sierra andK1500 Sierra Trucks.
G1500, G2500 Chevy Express, G1500, G2500 Savana Vans, 5.7L Suburban, Tahoe and Yukon.

BK **776-9255**

NAPA ServiceTools



SPRINTER, MERCEDES, BMW FAN CLUTCH WRENCH

This unique tool allows the technician to hold the water pump pulley securely while removing the viscous fan clutch. This tool fits around the water pump pulley bolts without pressing on the composite pulley. Eliminates the risk of chipping or breaking a fragile and expensive pulley. The thin design allows the tool to fit easily into this very tight area. Extra long handle allows for better control of the tool. Made in the USA. BMW 4.0 Liter and 4.4 Liter V8 Engines with Bolt-On Water Pump Pulleys, Sprinter Vans 2.7 Liter and Dodge 2006-03.

SER **11250**

EVERCRAFT



FAN CLUTCH PULLEY HOLDER

Tool is designed to trap and hold bolt-on pulleys by the mounting bolts. Use in conjunction with fan clutch wrenches to remove and replace thermostatic fan assemblies. Easy access to fan clutch nut and includes 1/2" square drive hole for use with breaker bar for more torque.

Applications

Ford Trucks w/ 2.8L, 2.9L, 3.0L, 4.0L, 4.9L & 5.0L engines
Dodge Trucks w/ 3.9L, 5.2L, 5.9L, 8.0L and V10 engines
Jeep with 5.2L engines

BK **776-9139**

NAPA ServiceTools



CHEVROLET EXHAUST MANIFOLD SPREADER

Expands warped manifold so all bolt holes are accurately aligned when reinstalling on small-block Chevrolets. Helps prevent cross threading of bolts. Can also be installed before removing manifold to prevent misalignment. Works best when used in pairs.

SER **77-4030**

NAPA ServiceTools



MASTER LINK PLATE TOOL

Remove press-fit master link plates found on many standard and O-ring style roller chains. Will also break 40-60 series chains to add a master link or remove links.

SER **4746**

NAPA ServiceTools



FORD CAM TOOL MASTER SERVICE SET

Ensure correct cam timing when servicing timing belts, chains, head gaskets or other valve train repairs. Master cam tool kit contains all 22 cam tools covering over 50 applications. Comes in a molded storage case.

SER **6489X**

NAPA ServiceTools

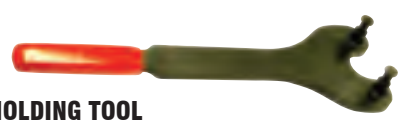


CRANK AND CAM SEAL SERVICE KIT

Removes and installs camshaft and crankshaft seals on cars, trucks, vans and SUVs without damage. Includes a puller, coupled with specialized puller legs that hook the seal for quick and easy removal. The interchangeable seal install adapters are designed for use with the cam or crank bolt.

SER **7196**

NAPA ServiceTools



CAMSHAFT PULLEY HOLDING TOOL

This wrench is designed with grooved pins to hold the camshaft pulley stationary while loosening and tightening the center shaft bolt.

SER **96800**



NAPA ServiceTools

CAMSHAFT BEARING TOOL

Remove and install camshaft bearings in most engines from compact cars to heavy trucks. Tool works on oversized and undersized bearings. Its neoprene rubber sleeves on driving plugs prevent damage to bearings. Tool handles a range of 1.125" to 2.690" bearings (28.58 to 68.3mm).

SER **2250**

NAPA ServiceTools

CAMSHAFT CLAMP TOOL MASTER KIT



Master kit contains clamps, bolt extensions and storage tray. Suits timing gear from 4" to 6" and gear spacing up to 3". Gear to cylinder clearances from 1/4" to 1". Bolt extensions expand coverage to 1 3/8". Holds valve timing during belt replacement.

SER **3980**

CAMSHAFT CLAMP TOOL HOLDER SET



Locking system allows infinite locking positions to suit most cam gear configurations. Compact size to allow operation in confined engine compartments. Includes clamps, bolt extensions and storage tray. Works with gear to cylinder clearances from 1/4" to 1". Bolt extensions expand coverage to 1 3/8". Holds valve timing during belt replacement. Locks each gear individually.

SER **3981**

CAM GEAR CLAMP AND HOLDER SET



The holders clamp between the engine block or head and the back of the gear to lock it in place. The cam gear clamp is used between two adjacent gears to lock them together and eliminate movement. Use on single, dual or quad cam engines to hold valve timing during belt replacement. Excellent for diesel injection pump belt replacement.

SER **6679**

CAM GEAR HOLDER SET



Use on single, dual or quad cam engines to hold valve timing during belt replacement. The holder clamp is between the engine block or head and the back of the gear to lock it in place. Excellent for diesel injection pump belt replacement. The universal design makes it quick and easy to install. Set of 2.

SER **6678**

CAMSHAFT CLAMP TOOL



Features locking system allows infinite locking positions to suit most cam gear configurations. Compact size to allow operation in confined engine compartments. Suits timing gear dia. from 4" to 6" and suits gear spacing up to 3"

SER **3840**

FORD CAMSHAFT ALIGNMENT KIT



For servicing the timing belt, chains, head gaskets or other valve train repairs on Ford, Mercury and Mazda vehicles. Comes with aluminum camshaft bar, plus one short top dead center (TDC) timing pin and one long TDC timing pin. Camshaft bar and long TDC timing pin are used on 2.0L DOHC Ztech engines found in 2003-1994 Ford and Mercury vehicles. The camshaft bar and short TDC timing pin are used on 2012-2004 2.5L DOHC, 2.3L DOHC 4V and 2.0L DOHC engines. The camshaft alignment bar can also be used by itself on 2.0L DOHC engines in 1994-93 Ford Probe.

SER **37410**

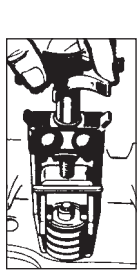
UNIVERSAL OHC VALVE SPRING COMPRESSOR



Actuate the compression tube even in confined locations like under the cowl where the lever cannot be moved or may not even fit. By adding the ability to separate the lever from the compression tube anywhere along the bar, you can compress the springs that are confined by brake boosters, AC housings or other factors by locating the lever along the bar where there is open space. Compressor throat depth range : 5/8" dia. up to 4.5" depth depending on engine.

SER **91400B**

UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR





Remove valve springs on most cars with overhead valves without removing the cylinder head. Offset jaws grip the valve spring in parallel compression. Tool maintains constant length as spring is compressed. Use with *SER* **901** or *SER* **2992** Air Hold Fittings to keep valve in place.

CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crank shaft rotation will occur.

SER **2078**

AIR HOLD FITTING SET



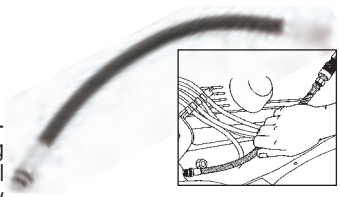
Use to apply air pressure to keep valve closed while replacing valve spring. Set includes 14 and 18mm adapters threaded for 1/4" NPT. To use, remove spark plug and screw air hold into port. Fasten air hose to fitting and apply pressure. Use with *SER* **912**, *SER* **2078** Valve Spring Compressors.

CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crankshaft rotation will occur.

SER **901**

NAPA ServiceTools

14 & 18MM AIR HOLD EXTENSION HOSE

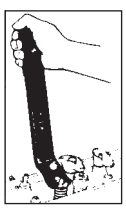


A 14" long hose incorporates special 14 and 18mm stepped fitting with O-ring seals for universal fit and 1/4" NPT fitting for easy connection to air lines. Used with Valve Spring Compressors *SER* **912**, *SER* **2078**, long hose is ideal for reaching deep set spark plug holes.
CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crankshaft rotation will occur.
SER **2992**

NAPA ServiceTools

VALVE SPRING COMPRESSOR





Remove and replace valve springs in GM 8-cylinder engines. Heavy-duty tool replaces weak or broken valve springs and guide seals with cylinder head on the engine. Compressor is used by removing rocker and fastening tool to stud with nut. Pull on the handle to compress spring. Use with *SER* **901** or *SER* **2992** Air Hold Fittings to keep valve closed. Length: 12 1/2".
CAUTION: Vehicle must be placed in park/neutral before applying air pressure, otherwise vehicle may move. Keep hands clear of fan, belts and pulleys since slight crank shaft rotation will occur.
SER **912**

EVERCRAFT

UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR



Valve spring compressor allows user to remove and replace valve springs with stud-type rocker arms. Works without removing cylinder heads.
BK **776-9189**

EVERCRAFT

GM VALVE SPRING COMPRESSOR



Removes and replaces valve springs on GM eight-cylinder engines, and other vehicles with stud-type rocker arms. Works without removing cylinder heads! Simply attach to stud with nut and pull handle to compress valve spring.
BK **776-9094**

EVERCRAFT

2 PC. AIR HOSE EXTENSION AND FITTING SET



Service overhead valve components without removing cylinder head. Prevents valve from dropping into cylinder. Contains one 14mm and one 18mm fitting. Use with Valve Spring Compressor *BK* **776-9094** or *BK* **776-9189**.
BK **776-9249**

EVERCRAFT

VALVE SPRING COMPRESSOR



Remove the valve spring keepers and springs without having to remove the cylinder head. Compressor adjusts to fit the springs of most cars. Features sliding T-handle for close clearances. Rust resistant finish.
BK **776-8072**

EVERCRAFT

DELUXE UNIVERSAL OVERHEAD VALVE SPRING COMPRESSOR

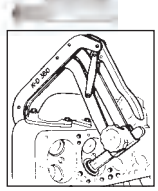


Includes bolt for replacing cam handle in confined areas. For on-car applications.
BK **776-9054**

NAPA ServiceTools

VALVE SPRING COMPRESSOR

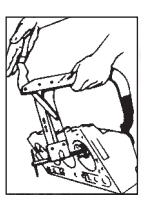




Compress valve springs on overhead valve and L-head engines on cars, trucks and tractors. Tool has a 9 3/4" throat depth and jaw openings 2 3/4" to 7 3/4" fits larger engine sizes. Jaws and plunger bar are easily adjusted. Plunger bar seats on both flat- and cup-shaped valve heads. Offset and straight jaws are included.
SER **380**

NAPA ServiceTools

VALVE SPRING COMPRESSOR

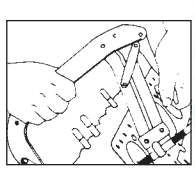




Compressor services overhead valve engines. A handle on the outside of the tool makes it easy to use. It has a throat depth of 7 1/2" and jaw openings 2 3/4" to 5 7/8". Compressor works on small engine heads with manifolds removed. Offset jaws are included.
SER **383**

NAPA ServiceTools

VALVE SPRING COMPRESSOR





Compress valves on small overhead valve or engines. Tool has a throat depth of 6 1/4" and jaw openings of 3" to 5 3/8". It's designed for lightweight valve springs. Compressor works on engine heads with manifolds removed.
SER **385**



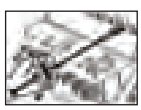
VALVE SPRING COMPRESSOR
Long and slender, will reach in to small recesses where valve springs and retaining washers are located. Arms are hinged at one end so they are practically parallel at the other end at all points. Jaws are adjustable in width and have thin edges that can be forced under and over ends of valve spring to compress for removal. Jaw opening range of 2".

SER **379**

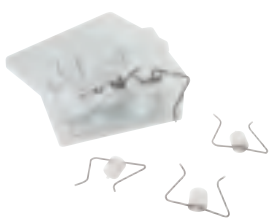


T-HANDLE TYPE VALVE TAPPET REMOVAL TOOL
Easily removes stuck hydraulic valve lifters. Specially designed slide hammer easily frees tight or stuck lifters.

BK **776-9248**







FORD/GM ROCKER ARM OIL STOPPER SET
Eliminate splashing oil! These stoppers plug rocker oil outlets on an engine when the valve covers are removed. Includes 16 stoppers for use on Ford and GM vehicles.

BK **776-9055**



UPPER REAR MAIN SEAL REMOVER/INSTALLER
Tool removes and installs the upper rear main oil seals with engine and crankshaft in place. Spring steel fingers hold seal firmly. Removal tool works like a corkscrew. Two extra clips included.

BK **776-9205**



SER **501**

VALVE GRINDERS
Hand grind small and large flat-head unslotted valves. Textured handle and thin wall suction cups make grinding easy. To use, place grinding compound on valve face and put in seat. Put suction cup on valve head and turn handle between hands to grind. There are two sizes per tool.

SER **501** Smaller Valves, 5/8" and 13/16"
SER **505** Most Valves, 1 1/8" and 1 3/8"



BK **776-9087**

VALVE GRINDERS
For hand grinding small and large flathead, non-slotted valves. Simply place grinding compound on valve face and put in seat. Next, place suction cup on valve head and turn handle between hands to grind.

BK **776-9088** Small Valve, 5/8" x 1 3/16" dia.
BK **776-9087** Large Valve, 1 1/8" x 1 3/8" dia.



PUSH ROD REMOVER
Push rod remover redesigned for newer 3.5L and 3.6L GM engines. Also works on GM V6 2.8L, 3.1L and 3.4L. Quickly removes push rods so you can replace the intake gasket. No, need to loosen and retighten the rocker arm. The tool provost the rocker arm to compress the valve spring and free the push rod for removal.

SER **48300**

PISTON RING GROOVE CLEANER
Effectively removes carbon from ring grooves on pistons 2 to 5" (51 to 127mm). The two 6-bladed cutters cover all major piston ring grooves in SAE and metric sizes. Cutters rotate to any selected size, locking in place with hold-down nut.

Blade 1 (Sizes)	Blade 2 (Sizes)
1/16"	2mm
5/64"	2.5mm
3/32"	3mm
1/8"	4mm
5/32"	4.5mm
3/16"	1/4"



Item No.	Description
SER **1722**	Piston Ring Groove Cleaner
SER **1722-71**	Replacement Cutter Blade Kit (includes both SAE and Metric sizes)



ENGINE CYLINDER RIDGE REAMER
Efficiently removes ridges from top of engine cylinders from 3" – 5" in diameter. Tungsten carbide cutters and fine thread feed up ensure smooth cutting action. Unique design allows change from one cylinder to another without readjusting.

SER **2389** Ridge Reamer
SER **2389-78** Replacement Cutter Blade

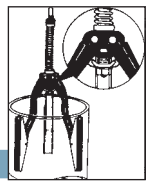


PISTON RING GROOVE CLEANER
Designed for doing a re-ring job on your engine by removing carbon deposits from the ring grooves, allowing your new rings to seat perfectly onto the piston. The kit includes a special spring to control the pressure and to prevent gouging, snagging, or chattering. The tool comes with two 5-cutter wheels that fit multiple ring groove sizes. Includes the following groove cleaning sizes: 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 1/4", 1.5mm, 1.75mm, and 2mm. Handles pistons 2 3/4" to 5" diameter.

BK **776-9176**

ENGINE CYLINDER HONE





Hone and remove glaze from engine cylinders from 2" to 7" (51 to 177mm) in diameter. Adjust spring tension for positive cutting action and set diameter with spread limiter. Hone includes medium grit stones No. 240. Power source: drill.

Item No.	Description
SER **2833**	Cylinder Hone
SER **2834**	Hone Stones for rough honing, coarse grit stones No. 100
SER **2835**	Hone Stones for general-purpose honing and glaze breaking, medium grit stones No. 240
SER **3157**	Hone Stones for general-purpose honing and glaze breaking. Medium grit No. 240
SER **2836**	Hone Stones for hydraulic cylinders, fine grit stones No. 400

ECONOMY BRAKE & ENGINE CYLINDER HONE SET



Multi-purpose set includes three complete hones and one set of 2" stones.

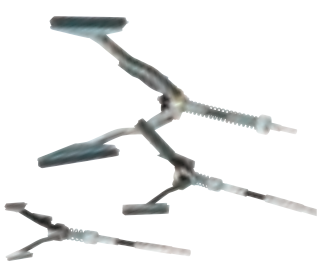
Contents

- Complete hone for brake, master and wheel cylinders 3/4" through 2 1/2" capacity, with 1 1/8" medium-grit stones
- Complete hone for small car brake wheel cylinders 1/2" through 1 3/4" capacity, with two 1 1/8" medium-grit stones
- Complete hone for disc brake caliper honing. 1 1/4" through 3 1/2" capacity, with 3/4" medium-grit stones; also ideal for lawn and garden small-engine cylinder honing when used with three 2" medium-grit stones (included)

SER **3029** Hone Set
SER **3029-75** Three Replacement 2" Cylinder Hone Stones

EVERCRAFT

3 PC. CYLINDER HONE KIT

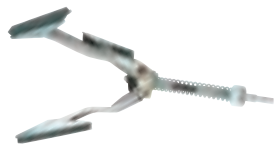


Contents

- *BK* **776-9223** fits 3/4" (19.1mm) to 2 1/2" (63.5mm) cylinders. Medium Grit stones #220 x 1 1/8" (28.6mm). Replacement stones available *BK* **776-9224**.
- *BK* **776-9221** fits 1 1/4" (31.8mm) to 3 1/2" (88.9mm) cylinders. Medium Grit stones #220 x 2" (50.8mm). Replacement stones available *BK* **776-9222**.
- *BK* **776-9220** fits 2" (50.8mm) to 7" (177.8mm) cylinders. Medium Grit stones #220 x 4" (101.6mm). Replacement stones available *BK* **776-9225**.

Flex shaft and adjustable tension Instructions: Compress arms to insert into cylinder. Turn knurled adjusting wheel to adjust pressure of stones against cylinder bore. Attach drill and turn in cylinder bore. Always keep stones in cylinder bore while moving up and down within bore. Continue until a smooth surface is on the cylinder bore. to remove from cylinder bore, stop rotation and compress arms to avid scratches within bore.

BK **776-9227**



EVERCRAFT

3-STONE PISTON CYLINDER HONE 2 IN. TO 7 IN.

Fits 2" (50.8mm) to 7" (177.8mm) cylinders. Medium Grit stones #220 x 3" (76.2mm). Flex shaft and adjustable tension

BK **776-9220** 3 Stone, 2"-7" Cylinder Hone
BK **776-9225** 3 Pc. Replacement Stone Kit

ENGINE CYLINDER FLEX HONES



Produces a plateau finish for fast ring seating and better oil retention for longer engine life. Requires no set up and uses 3/8" electric hand drill. Power Source: Variable Speed Drill. Expected Life: In excess of 1,000 cylinders. Grit Compound: 120.

Item No.	Size
SER **2486**	3 1/2" (89mm)
SER **2487**	3 3/4" (95mm)
SER **2488**	4 1/8" (105mm)

Other grits, abrasive types and sizes available. Please contact your NAPA AUTO PARTS Store.

Exclusive YouTube videos, scan the QR code with your smart phone

HEAVY-DUTY ENGINE CYLINDER FLEX-HONES®



Heavy-duty hone engine cylinders, 2 3/4" to 4 1/2" (70 to 114mm) in diameter, deliver the same plateaued finish as the standard-duty, but are longer lasting. Hone life is in excess of 1,000 cylinders.

Item No.	Hone Size	Recommended Minimum Working Dia.	Grit
SER **2489**	3" (76mm)	2 3/4" (70mm)	120
SER **2490**	3 1/4" (82mm)	3" (76mm)	120
SER **2491**	3 1/2" (89mm)	3 1/4" (82mm)	120
SER **2492**	4" (101mm)	3 1/2" (89mm)	120
SER **2493**	4 1/2" (114mm)	4" (101mm)	120

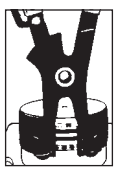
Other grits, abrasive types and sizes available. Please contact your NAPA AUTO PARTS Store.

Exclusive YouTube videos, scan the QR code with your smart phone

PISTON RING COMPRESSOR BANDS & SET



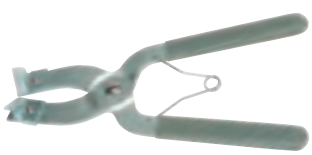
Install pistons from 2⁷⁄₈" to 4⁵⁄₈" in diameter. Pliers can be used parallel or perpendicular to the cylinder block. Fine-tooth ratcheting lock allows you to compress bands in small increments. Set works by placing a band around the piston, covering the rings and hooking pliers into the band and squeezing. With the band tightly around the piston, insert piston into cylinder and lightly tap with hammer handle to install.
Band width: 1¹⁄₂".



Item No.	Size	SER 850 Set
SER **1119**	2⁷⁄₈" to 3¹⁄₈" (73mm to 79mm)	•
SER **1120**	3¹⁄₈" to 3³⁄₈" (79mm to 85mm)	•
SER **1121**	3³⁄₈" to 3⁵⁄₈" (85mm to 92mm)	•
SER **1122**	3⁵⁄₈" to 3⁷⁄₈" (92mm to 98mm)	•
SER **1123**	3⁷⁄₈" to 4¹⁄₈" (98mm to 104mm)	•
SER **1124**	4¹⁄₈" to 4³⁄₈" (104mm to 111mm)	•
SER **1125**	4³⁄₈" to 4⁵⁄₈" (111mm to 117mm)	
SER **1114**	Piston Ring Compressor Pliers	•

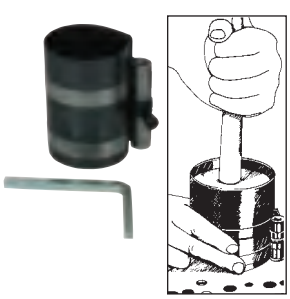
EVERCRAFT

PISTON RING TOOL



Tapered jaws remove or install piston rings. For ring sizes: ³⁄₆₄" to ¹⁄₄".
BK **776-9056**

HEAVY-DUTY PISTON RING COMPRESSOR



Use compressor to install pistons 2¹⁄₈" to 5" (54 to 127mm) in diameter. Positive lock action provides positive compression and fingertip release. To compress piston ring into grooves, slip the tool over the piston and tighten with L-shaped wrench. Insert piston into cylinder and tap with a hammer to install. Enlarged crimped edge prevents compressor from entering the cylinder.
SER **2284**

PISTON RING COMPRESSOR



Use compressor to install pistons 3¹⁄₂" to 6¹⁄₂" (89 to 164mm) in diameter on trucks and tractors. Positive lock action provides positive compression and fingertip release. Heavy spring steel compresses the stiffest rings evenly. Tool is beaded along lower edge to prevent compressor from entering the cylinder.
SER **1723**

PISTON RING COMPRESSOR



Use compressor to install pistons 2¹⁄₈" to 5" (57 to 127mm) in diameter. A dependable friction-type brake holds rings in compressor. Tool is beaded along lower edge to prevent compressor from entering the cylinder.
SER **1720**

DIESEL PISTON RING COMPRESSOR



Use to install pistons 3¹⁄₂" to 7" (89 to 177mm) in diameter on trucks and tractors. This 7" high positive lock compressor has four tension bands and compresses diesel upper and lower rings. Bands are made of spring steel and beaded along lower edge to prevent compressor from entering the cylinder.
SER **1724**

EVERCRAFT

PISTON RING COMPRESSORS



Special Spring Steel compression bands. Heat treated tension bands. Adjustable safety screws. Ratcheting tension mechanism. Spanner wrench included.

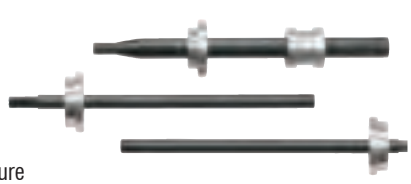
Item No.	Description
BK **776-9128**	2¹⁄₈" to 5" dia. range
BK **776-9129**	3¹⁄₂" to 6¹⁄₂" dia. range
BK **776-9130**	3¹⁄₂" to 7" dia. range

GASKET CLEANING TOOLS



Use with a die grinder to quickly clean gasket surfaces on oil pans, water pumps and other inaccessible applications. Equipped with floating guide shaft.
SER **77-4001**

3 PC. OIL PUMP PRIMER KIT



Oil Pump Primers protect freshly rebuilt or modified engines from premature wear caused by a dry start. Comes in a blow-molded case.
SER **41770**

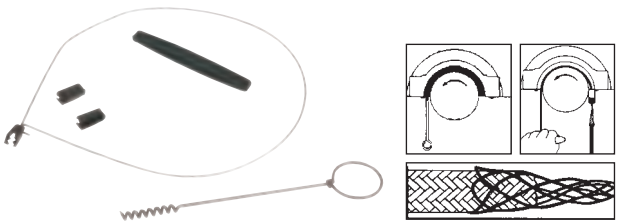
Contents

Item No.	Description
—	GM Oil Pump Primer
—	Ford Oil Pump Primer ¹⁄₄" Hex Dr.
—	Ford Oil Pump Primer ⁵⁄₁₆" Hex Dr.



FLYWHEEL TURNER
Hook this tool into flywheel teeth to rotate the crankshaft. Use when working on clutches, transmissions, installing rings or other jobs that require the crankshaft to be in a specific position. Spring tension aids tool engagement on the flywheel.

SER **2270**



OIL-SEAL REMOVER & INSTALLER
Tool removes and installs upper rear main oil seals with engine and crankshaft in place. It works on both wick- and neoprene-type seals. Chinese Finger-type grip won't slip from the seal during installation. Set includes a wick seal remover, installer, guide funnels, pusher, offset trimmer and neoprene seal punches.

SER **492**

CHT **BSODP14**



3/8 IN. DR. OIL DRAIN PLUG SOCKETS & SET
The Carlyle oil drain plug sockets is a perfect addition to your arsenal of tools. Quickly and easily service newer style drain plugs.

Item No.	Description	*CHT* **BSODP14** 14 Pc. Set w/Rail
CHT **S38HDP8M**	Hex 8mm; For: BMW, Ford and GM	•
CHT **S38HDP9M**	Hex 9mm; For: GM	•
CHT **S38HDP10M**	Hex 10mm; For: Ford	•
CHT **S38HDP12M**	Hex 12mm; For: Fiat, Lancer and Mercedes	•
CHT **S38HDP14M**	Hex 14mm; For: Lancer and Mercedes	•
CHT **S38HDP17M**	Hex 17mm; For: Audi, VW, BMW and Austin	•
CHT **S38SQDP10**	Square 5/16	•
CHT **S38SQDP12**	Square 3/8; For: Honda, Mazda, Renault, Saab and Volvo	•
CHT **S38SQDP7M**	Square 7mm	•
CHT **S38SQDP8M**	Square 8mm; For: Citerön, Peugeot, Renault, Talbot and Volvo	•
CHT **S38SQDP11M**	Square 11mm; For: Ford	•
CHT **S38SQDP13M**	Square 13mm; For: Nissan and Subaru	•
CHT **S38FSQDP10M**	Female Square 10mm; Used on different gearboxes. For: BMW, Ford, Renault and Toyota	•
CHT **S38MTDP10M**	Male Triangle 10mm; For: Renault	•



7 PC. MAGNETIC OIL DRAIN PLUG SOCKET SET
- Oil drain plug sockets have magnetic core
- Knurled speed ring provides quick removal and installation
- Anodized color-coded aluminum
- Fits most domestic and import vehicles

APX **3870**

Contents

Item No.	Description	Item No.	Description
APX **3872**	13mm	*APX* **3876**	17mm
APX **3873**	14mm	*APX* **3877**	19mm
APX **3874**	15mm	*APX* **235080GR**	3/8" GearRatchet Handle
APX **3875**	16mm		



3/8 IN. DR. DRAIN PLUG SOCKET
For transmission drain and fill plugs on Volkswagen and other German vehicles. Male 17mm hex body socket. Heat-treated and zinc-plated alloy steel.
Note: Not for impact use.

BK **776-8047**



3/8 IN. DR. DRAIN PLUG SOCKET
Fits tamper proof transaxle drain plug on VW vehicles.
Note: Not for impact use.

BK **776-8053**



OIL FILTER CARTRIDGE SET
Fits today's oil filter cartridge-style filter applications. Short socket style allows for proper clearance when removing the filter element.

SER **6786**



OIL FILTER WRENCH END CAPS
This six-piece service kit includes: 24mm, 27mm, 29mm, 32mm, 36mm and 38mm oil filter caps. Drive: 3/8".

SER **41890**







SER **3932** *SER* **3933** *SER* **3934** *SER* **41830**

OIL FILTER END CAP WRENCHES

Designed to fit on end of oil filter for working in tight spaces. Use with 3/8" square head.

Item No.	Description	*SER* 41830 3 Pc. Set
SER **3932**	32mm Oil Filter Cap Wrench	•
SER **3933**	27mm Oil Filter Cap Wrench	•
SER **3934**	36mm Oil Filter Cap Wrench	•

TOYOTA CAP FILTER WRENCH



Steel construction. Cap filter wrench features 14 oil filter flutes. Hex wrench size: 64 - 65mm.

SER **77-3150**

65MM 14 FLUTE TOYOTA CAP FILTER WRENCH



The new heavy duty design for the 65mm diameter 14 flutes oil filter canisters has been improved by adding heat-treated metal disc to the drive area and adding two solid welds to the surface to increase strength.

SER **61664**

END CAP OIL FILTER WRENCHES



BK **776-9006**

High-impact, reinforced-plastic construction with a metal drive plate for strength. Unique packaging allows filter size check prior to purchase.

Item No.	Description	Item No.	Description
BK **776-9010**	65-67mm, 14-Flute	*BK* **776-9015**	93mm, 36-Flute
BK **776-9006**	74-76mm, 15-Flute	*BK* **776-9123**	68mm, 14-Flute
BK **776-9007**	76mm, 14-Flute	*BK* **776-9124**	74mm, 15-Flute
BK **776-9012**	80mm, 15-Flute	*BK* **776-9125**	90mm, 15-Flute
BK **776-9014**	82mm, 15-Flute	*BK* **776-9126**	73mm, 14-Flute
BK **776-9008**	93mm, 15-Flute		



COMPOSITE END CAP OIL FILTER WRENCHES & SET

Item No.	Description	*SER* 77-3865 5 Pc. Set
SER **77-3860**	65/67mm, 14-Flute	•
SER **77-3861**	74/76mm, 15-Flute	•
SER **77-3862**	76mm, 14-Flute	•
SER **77-3864**	76/80/93mm, 36-Flute	•
SER **77-3863**	93mm, 15-Flute	•

3-3/4 IN. END CAP OIL FILTER WRENCH



Removes and installs filter. Designed for use with 3/8-inch square drive tools or one-inch wrenches. Zinc-plated for rust resistance. Fits Filter Size: 3 3/4" dia., 15-Flute.

SER **77-2991**

3-1/4 IN. END CAP OIL FILTER WRENCH



Removes and installs filters in hard-to-reach areas. Designed for use with 3/8-inch square drive tools or one-inch wrenches. Durable, zinc-plated steel construction for rust resistance. Fits Filter Size: 3 1/4" dia., 15-Flute.

SER **77-3298**

3 PC. TOYOTA CAP WRENCH SET



Cap wrench covers some Toyota and Lexus vehicles with factory filters. Removes the cartridge-style caps without damage. Use in conjunction with socket or wrench. Oil Filter Tool Drive Size: 7/8" (22mm). Fits oil filter sizes 64mm x 14, 73mm x 14 and 74mm x 14. Includes storage case.

BK **776-8082**

TOYOTA/LEXUS OIL FILTER WRENCHES



Removes plastic housing cap without damage. Square drive size: 3/8".

SER **77-3151** 4 Cylinder Canister Type
SER **77-3152** 6/8 Cylinder Canister Type

OIL FILTER DRAIN TOOL



Drains canister before filter removal. Works on 4, 6, and 8 cylinder Toyota and Lexus models.

SER **77-3153**

3/8 IN. DR. OIL FILTER WRENCH KIT



Removes plastic housing cap without damage on 4/6/8 cylinder canister type filter. Kit contains filter wrenches *SER* **77-3151** and *SER* **77-3152** and drain tool *SER* **77-3153**.

SER **77-3154**

3 IN. END CAP OIL FILTER WRENCH



Specially-designed wrench removes and installs oil filters in hard-to-reach areas. For use with 3/8" square drive tools or one-inch wrenches. Fits various flute designs found on AC/Delco, Fram, Gard, Motorcraft, NAPA, Sears, STP, Volkswagen, Wix, and more. Zinc-plated steel for rust resistance. Fits Filter Size: 3" dia., 15-Flute.

CAUTION: Do not use with power tools.

SER **77-2790**

END CAP OIL FILTER WRENCHES

Item No.	Description
SER **77-3866**	GM 74mm, 15-Flute
SER **77-3868**	Hyundai/Kia 88.4mm, 15-Flute
SER **77-3867**	Mazda/Toyota 75.6mm, 14-Flute
SER **77-3869**	Subaru 66.5mm, 14-Flute



SER **77-3866**

THREE-JAW 3/8 IN. DR. OIL FILTER WRENCH



Three-Jaws lock onto flutes for positive grip. Removes all passenger car and light truck spin-on type filters. Fits Filter Size: 2 1/2"-3 3/4" dia.

SER **77-3288**

EVERCRAFT™ THREE-STYLE 3/8 IN. DR. OIL FILTER WRENCH



Removes all passenger car and light truck spin-on type filters. Fits Filter Size: 2 1/2"-3 7/8" dia.

BK **776-9018**

SWIVEL OIL FILTER WRENCHES

Designed for the professional installer, these comfort-grip wrenches make getting to hard-to-reach areas a snap! Swivel tension is easily adjusted with the nut and bolt on the handle and will not crush the filter.

Item No.	Description
SER **77-3324**	Filter Size: 2 1/2"-3" dia.
SER **77-3083**	Filter Size: 2 7/8"-3 1/4" dia.
SER **77-3082**	Filter Size: 3 1/2"-3 7/8" dia.
SER **77-3527**	Filter Size: 3 7/8"-4 3/8" dia.



SER **77-3324**

EVERCRAFT™

SWIVEL OIL FILTER WRENCHES

Even hard-to-reach filters are easily removed with this tool! Studded band provides improved grip and plastic-dipped handle will not slide off during use. High-quality, blackened steel construction is rust and corrosion resistant.

Item No.	Description
BK **776-9019**	Filter Size: 2 7/8"-3 1/4" dia.
BK **776-9020**	Filter Size: 3 1/4"-3 3/4" dia.
BK **776-9127**	Filter Size: 3 1/2"-3 7/8" dia.



BK **776-9019**

UNIVERSAL FUEL & OIL FILTER WRENCHES

High-grade steel construction with comfort-grip for increased torque. Band will not crush filter.

Item No.	Description
SER **77-0192**	Filter Size: 2 1/4"-2 9/16" dia.
SER **77-2159**	Filter Size: 2 51/64"-3 7/64" dia.
SER **77-0191**	Filter Size: 3 1/16"-3 7/16" dia.
SER **77-0190**	Filter Size: 3 7/16"-3 3/4" dia.
SER **77-2010**	Filter Size: 4"-4 3/8" dia.



SER **77-0192**

ADJUSTABLE OIL FILTER WRENCH



Three-position, comfort-grip wrench is nearly universal! Filter Size: 2 3/4"-3 3/4" dia.

SER **77-2187**

ADJUSTABLE OIL FILTER WRENCH



Positive grip will not puncture or crush filter and allows for greater torque.
Filter Size: 3 1/16"-3 3/4" dia.

SER **77-2394**

3/8 IN. DR. OIL FILTER WRENCHES



Band will not crush filter. Position action grip provides extra leverage. Can be used in place of Universal Filter Wrench (*SER* **77-0190**).

SER **77-2380** Filter Size: 2 13/16"-3 1/16" dia.
SER **77-2029** Filter Size: 3 7/16"-3 3/4" dia.

SER **77-2380**

HEAVY-DUTY 1/2 IN. DR. OIL FILTER WRENCHES

Designed to satisfy high-torque truck filter requirements. Three-inch bands provide increased strength and gripping area.

Item No.	Description
SER **77-2320**	Filter Size: 4 1/8"-4 21/32" dia.
SER **77-2321**	Filter Size: 4 21/32"-5 5/32" dia.
SER **77-2322**	Filter Size: 5 5/32"-5 21/32" dia.



SER **77-2320**

EVERCRAFT

OIL FILTER WRENCH
Spring-loaded jaws adjust to fit filter sizes from 2¾ to 4¼ inches (70-108mm) in diameter. Removes filters without flutes.

BK **776-9016**



NAPA ServiceTools

SLIP-JOINT OIL FILTER WRENCH PLIERS
Ratchet and locking mechanism allow multiple settings for a sure fit, eliminating slippage. Jaws are grooved for a better grip on filter. Forged steel for superior strength with comfort-grip handle. Filter Size: 2"-5" dia.

SER **77-3508**



NAPA ServiceTools

FIXED-JOINT OIL FILTER WRENCH PLIERS
Comfort-grip, dual-handle design allows superior leverage when removing stubborn filters. Forged steel for superior strength.

SER **77-3369** Filter Size: 2¾"-3 ⅛" dia.
SER **77-3368** Filter Size: 2¹⁵⁄₁₆"-3⅝" dia.

SER **77-3369**



NAPA ServiceTools

HEAVY-DUTY 3/8 & 1/2 IN. DR. OIL FILTER STRAP WRENCH
Ideal for use on trucks and tractors with high-torque requirements. Can handle filters up to nine inches in diameter. High-strength, oil-resistant nylon strap with forged steel handle. Chrome-plated, ⅜ and ½-inch drive engagement. Filter Size: ⅝" to 4¾" dia.

SER **77-3529**



NAPA ServiceTools

1/2 IN. OIL FILTER STRAP WRENCH
Ideal for use on trucks and tractors with high-torque requirements. Can handle filters up to six inches in diameter. High-strength, oil-resistant nylon construction with forged-steel, chrome-plated handle.

SER **77-3149**



EVERCRAFT

1/2 IN. DR. OIL FILTER STRAP WRENCH
Tough, durable nylon strap for use on oil filters up to six inches (152mm) in diameter.

BK **776-9017**



OTC

UNIVERSAL 3/8 IN. DR. OIL FILTER STRAP WRENCH
Universal filter wrench can remove nearly any spin-on filter up to six inches in diameter. Tough nylon strap holds firmly—the more leverage applied, the tighter it grips.

BK **700-2469**



OTC

MULTI-PURPOSE HEAVY-DUTY STRAP WRENCH
Limitless uses! Lightweight wrench is especially useful on small engine pulleys. Nylon strap will not harm surfaces on shafts, pulleys, or other components. Special head design self-tightens strap as force is applied. Strap Length: 53". Handle Length: 12".

BK **825-5127**



NAPA ServiceTools

1/2 IN. DR. OIL FILTER CHAIN WRENCH
Wrap this tool around items of any shape to effectively apply torque. Fits ⅝"- to 4¾" diameter filters and turns with ½" square drive tools.

SER **77-2595**



NAPA ServiceTools



DRAIN PLUG PRO
Removes oil drain plug without touching the plug or hot oil. No more dropping the plug in hot oil or oil soaked gloves. Magnetically attaches to pre-loosened drain plug and rotates to remove plug. Strong magnetic end retains oil plug.

SER **5911**



NAPA ServiceTools

LINE FLUID STOPPER KIT
Line fluid stopper kit stops messy fluid leaks and prevents contamination during service. Kit seals all types of rubber and steel lines. Includes stoppers, line plugs, disconnect tool and pinch off tool. Comes in blow molded storage case.

Item No.	Description
SER **6703**	Line Fluid Stopper Kit
SER **6703-1**	Replacement Banjo Line Fluid Stopper
SER **6703-2**	Replacement Steel Line Fluid Stopper
SER **6703-3**	Replacement Line Plug Fluid Stopper

STEELMAN



BK **700-1861**



BK **700-1863**



BK **700-1859**



BK **700-1864**

STAINLESS STEEL PINCH-OFF TOOLS

Pinch off vacuum, fuel or pressure lines. Coated handles with three locking positions. Multiple uses.

Item No.	Description
BK **700-1861**	6 1/4" Curved Nose
BK **700-1859**	6 1/4" Straight Nose
BK **700-1864**	10 3/8" Curved Nose
BK **700-1863**	10 3/8" Straight Nose

NAPA ServiceTools



SER **3791**



SER **3792**



SER **3793**

HOSE PINCH-OFF PLIERS

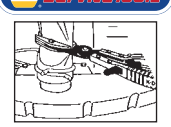
Squeeze with Ease!

Features

- Ideal for use on radiator hoses, heater hoses, water, air, vacuum and fuel lines
- Made from high carbon heat treated steel for extended life
- Hardened steel pivots for lifetime service
- Extra long cushioned hand grips for comfort and control
- Patented clamping mechanism locks automatically — no screws or levers to set or adjust
- Black oxide coated to resist rust and corrosion

Item No.	Description	Length	Weight
SER **3791**	Mini Hose Pinch-Off Pliers 3/4" OD capacity	5.50"	4 oz.
SER **3792**	Hose Pinch-Off Pliers 1 1/4" OD capacity	9.25"	12 oz.
SER **3793**	Hose Pinch-Off Pliers 2 1/2" OD capacity	14"	20 oz.

NAPA ServiceTools





HOSE PINCH-OFF PLIERS

Pliers eliminate the need to drain cooling system when servicing. Pliers squeeze hoses shut and jaws swivel for parallel clamping. Pliers include automatic locking ratchet. Tool can be used to pinch off some emission system hoses.

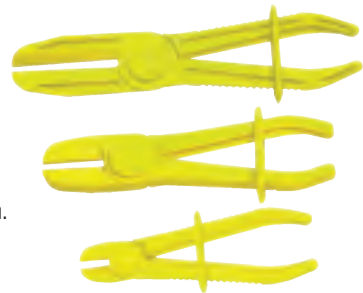
Caution: Do not use on wire-reinforced hose

SER **145**

NAPA ServiceTools

3 PC. LINE CLAMPS & SET

Available in three sizes the three-piece set provides clamps for fuel, vacuum, brake and cooling systems. Made of tough, heat-resistant, reinforced nylon, each clamp includes a locking mechanism. **NOTE: Set includes one each of the small, medium and large clamps.**



Item No.	Description	*SER* **3588** 3 Pc. Set
SER **3585**	Small, 1 each of line clamps for sizes 1/8" to 5/16" (2 pack)	•
SER **3586**	Medium, 1 each for pliers for sizes 1/2" to 3/4"	•
SER **3587**	Large, 1 each for pliers for sizes 3/4" to 2 1/4"	•

EVERCRAFT

HOSE PINCH PLIERS

For rubber vacuum, heater, air and brake fuel lines. Non-conductive. Clamps hoses shut for service of fuel and engine components. Will not damage hoses.

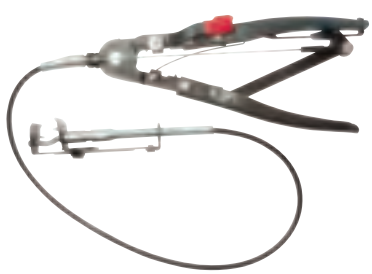


BK **776-9162** 1/4" to 7/16"
BK **776-9163** 1/2" to 3/4"

NAPA ServiceTools

HOSE CLAMP PLIERS

Removes 1 1/16" to 2 1/2" dia plastic and metal self-tightening hose clamps. Extended reach, flexible cable and self locking clamps are perfect for hard to reach areas. Length : 33 1/2".



SER **77-3870**

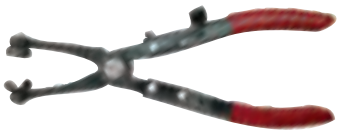
NAPA ServiceTools

CORBIN-STYLE HOSE CLAMP PLIERS

For Corbin (wire) style hose clamps. Tips trap and hold clamp and swivel for multiple angle access. Features improved strength, easier to use locking feature and new dual dipped grips for increased comfort.



SER **3975**



HOSE CLAMP PLIERS
For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3976** Straight
SER **3977** Angled Straight



LARGE HOSE CLAMP VISE
Relieves clamp spring pressure in very tight spots. Leave in place with clamp compressed during service. Ramp guides clamp tab into the correct position and traps it in slot for safety. Knurled knob can be tightened by hand or with a 1/4-inch drive ratchet. Opens to: 2 1/8". Length: 3 5/8".

SER **77-4016**



SMALL HOSE CLAMP VISE
Relieves clamp spring pressure in very tight spots and works especially well on heater hose clamps. Leave in place with clamp compressed during service. Ramp guides clamp tab into the correct position and traps it in slot for safety. Knurled knob can be tightened by hand or with a 1/4" drive ratchet. Opens to: 1 1/2". Length: 3".

SER **77-4017**



LARGE RUBBER HOSE CUTTERS
The large rubber hose cutters works on large rubber radiator hoses and quick clean cuts. The razor sharp blade can be re-sharpened and the handle is designed to trap and hold the hose for a straight line cut. Patent Pending.

SER **3550**



HOSE CUTTER TOOL
Cuts industrial air, multi-purpose , heater, washer and non-metallic fuel line hoses, PVC pipes, and battery cables up to 1 1/2". Quick release to open pliers easily and ratcheting action makes cutting easier. Locking mechanism in handle.

SER **767**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



HOSE CUTTER
Cleanly cuts heater hoses, fuel lines, and many other types of flexible hoses up to 1 1/4". Glass-filled nylon with stainless steel, reversible blade for strength and durability.

SER **77-4033**



FORD AEROSTAR HEATER HOSE TOOL
Tool is used to remove heater hose from heater core tube without damaging coupling, retainer or hose. Fits Ford 1986 to present Aerostar vans with 5/8" and 3/4" heater hoses and quick connect couplings. Extension handle allows for easy access to coupling.
CAUTION: Do not use when engine is hot.

SER **3409**



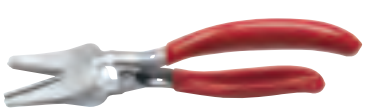
FORD AEROSTAR HEATER HOSE DISCONNECT TOOL SET
Quickly and easily removes heater hose from core tube without damaging coupling retainer, or hose. Includes heater hose disconnect tools for 5/8" and 3/4" hoses with quick-connect couplings at heater core. Extension handle enables easier access. For 1997-86 Ford Aerostar vans.

BK **700-1999**



HEATER HOSE REMOVAL TOOL
Easy removal or installation of 3/4" and 5/8" heater hose fittings from heater core without damaging couplings, retainers or hoses.

BK **776-9140**



HOSE PUSH OFF PLIERS
Allows easy removal of rubber hoses from pressed on fittings for 3/16" to 1/2" OD hoses. Ribbed surface digs into steel tube for added grip to push off rubber hose.

SER **3971**

SERPENTINE BELT RELEASE TOOL KIT



Included crow's feet and sockets allow easy access. For use with K-D Tools Special Slimline Sockets.

SER **3680**

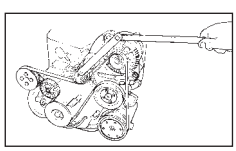
Contents

Qty.	Description
1	Adapter, 3/8" Square
1	Adapter, 1/2" Square
1	Adapter, 3/4" Square
1	Case, Blow-Molded
1	Crow's Foot Wrench, 13mm
1	Crow's Foot Wrench, 14mm
1	Crow's Foot Wrench, 15mm
1	Extension Arm, 14" Comfort-Grip
1	Gear Wrench, Serpentine
1	Socket, 14mm 6 Pt.
1	Socket, 15mm 6 Pt.
1	Socket, 16mm 6 Pt.
1	Socket, 17mm 6 Pt.
1	Socket, 18mm 6 Pt.
1	Socket, 19mm 6 Pt.

SERPENTINE BELT TOOL



Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulley. Just push or pull to release tension. Exclusive Crow's Foot wrenches provide maximum coverage and access.



Item No.	Description	Fits
SER **3414**	Contains (1 of each): *SER* **3414-80**, *SER* **3414-81**, *SER* **3414-82***, *SER* **3414-83***, *SER* **3414-84***, *SER* **3414-85***, *SER* **3414-86*** and *SER* **3414-87***	
Replacement Parts		
SER **3414-80**	Long-Handle Wrench	Ford 1.9 and 2.3 L, GM 3.1 L
SER **3414-81**	Short Bar	Chrysler 2.5 & 3.0 L, Ford 4.6 L
SER **3414-82***	15mm 12-Point Socket	Ford 3.0 and 3.8 L, Chrysler 3.0, 3.3
SER **3414-83***	16mm 12-Point Socket	Ford 3.8 and 4.0 L
SER **3414-84***	18mm 12-Point Socket	GM3800
SER **3414-85***	13mm Crow's Foot	GM Quad Four Engine
SER **3414-86***	14mm Crow's Foot	Saturn Engine
SER **3414-87***	15mm Crow's Foot	Ford Windstar with 3.8 L Engine

***** 3/8" *Drive Socket***



EVERCRAFT

SERPENTINE BELT TOOL

Simply push or pull to release tension on serpentine belts with spring-loaded, self-adjusting idler pulleys. Fits idler pulleys requiring 15, 16 and 18mm, or 3/8" square drives. Also includes 13, 14 and 15mm crow's foot wrenches. Length: 23".

BK **776-9078**



TOYOTA TOP ACCESS SERPENTINE BELT TENSIONER WRENCH

Allows technician to access the tensioner from the top of the engine, saving the technician tremendous time as compared to the current method of accessing from the bottom of the engine.

SER **10200**



HONDA/ACURA SERPENTINE BELT TENSIONER TOOL

Designed to reach down through the engine compartment in areas not easily accessed with conventional tools. Features specific "clock" angle of the 6-point, 19mm end with carefully calculated handle geometry enabling access to the hydraulic dampener tensioner. Will not strip the hex on hydraulic tensioners.

SER **10950**

BELT HOLDING TOOL



Keeps belt from falling off a pulley during installation. Universal design to fit most pulley styles and sizes. Super strong magnet to hold the belt firmly on the pulley. Multiple holders can be used for belt applications that fit around many pulleys. It has a durable plastic housing with magnet for steel/iron pulley applications.

SER **7424**

STRETCH FIT BELT TOOL KIT

Use for all stretch fit belt applications.

- Universal installation and removal of stretch fit belts
- Easily installs all stretch fit belts
- Allows removal and reuse of stretch fit belts
- Instructional DVD included

SER **70990**

Contents

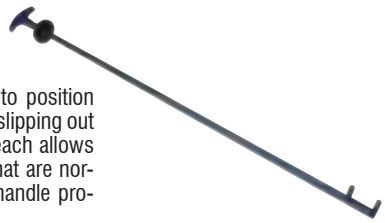
Qty.	Description
1	Installation Tool,
1	Removal Tool,
1	Storage Tray,
1	Instructional DVD



Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

NAPA ServiceTools

BELT HOOK TOOL



Clamping jaw allows user to position serpentine belt without belt slipping out of tool. Tru-grip and long reach allows belt routing in tight areas that are normally difficult. Ergonomic handle provides comfort.

SER **734**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



EVERCRAFT

BELT HOOK TOOL

Long reach aids in the removal and installation of serpentine belts, V-belts and timing belts. Hook allows pushing, pulling and twisting into place. 25 1/2" long.

BK **776-9166**

NAPA ServiceTools

HEAVY-DUTY PULLEY HOLDER



Heavy-duty strap-style pulley holder is universal in design. 9 In. drop-forged handle and 23" leather strap for excellent grip on pulleys with diameters up to 7. The milled foot increases grip on the strap and pulley as handle force is increased.

SER **4804**

EVERCRAFT

UNIVERSAL CAMSHAFT PULLEY HOLDING TOOL



This wrench is designed with grooved pins to hold the camshaft pulley stationary while loosening and tightening the center shaft bolt. For use with many OHC engines. Very useful on many Asian import engines, especially transverse mounted V6 motors such as the Nissan VG30 in Maximas, as well as the Toyota 3VZFE and IMZFE used in Camrys. The rear pulleys on these models are in very close proximity to the shock tower making removal and replacement difficult without this locking device. Rubber coated handle for positive grip.

BK **776-9191**

EVERCRAFT

CRANK PULLEY HOLDER TOOL



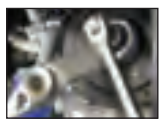
Removes and installs the crankbolts on most Honda and Acura engines. Holds the harmonic damper pulley from rotating when removing the pulley bolt. Hole in center of tool allows for the use of a socket to loosen or tighten the pulley bolts. Use with 1/2" dr. ratchet or breaker bar.

BK **776-9256**

NAPA ServiceTools

HONDA/ACURA 4 IN. OFFSET HARMONIC DAMPER PULLEY HOLDER





Unique 50mm tool developed to aid in the removal and installation of the crank bolt on most Honda and Acura engines. Prevents the harmonic damper pulley from rotating with the use of a 1/2" breaker bar or ratchet when removing the pulley bolt. A hole in the center of the tool allows the use of a socket and extension to break loose or tighten the pulley bolt.

SER **60100A**

EVERCRAFT

HARMONIC DAMPER PULLEY HOLDING TOOL - 50MM



Designed to assist in holding harmonic damper pulley in place on the vehicle engine. Standard 1/2" drive size.
CAUTION: Not designed for impact use.

BK **776-9183**

NAPA ServiceTools

HONDA/ACURA CRANKSHAFT HOLDING TOOL



Properly holds crankshaft in place allowing removal of hard-to-loosen crankshaft damper bolts. Proper angle ensures easy access to damper bolts. Fits most Honda and Acura four-cylinder applications from 1990 and up. Easy to use, one-man operation speeds up repair. Works with 1/2" square drive.

SER **3970**

NAPA ServiceTools



UNIVERSAL PULLEY HOLDER WITH PINS

Holds both bolted-on and pressed-on pulleys found on many vehicles. Includes two-piece replacement bit set (*SER* **3901**) 5 x 8mm. Patented. Tool replaces *SER* **3471** Universal Pulley Holder.

SER **3900**

NAPA ServiceTools

PULLEY HOLDER PIN SET



5 x 8mm Pin set for use with *SER* **3900** pulley holder for Chrysler pressed on pulleys.

SER **3901**

NAPA ServiceTools

PULLEY HOLDER PIN SET



6 x 10mm, 7.5 x 18mm Pin set for pulleys and cam sprocket holding and adjustment.

SER **3902**

NAPA ServiceTools

WATER PUMP IMPELLER SOCKET



Water pump impeller removal or installation tool. Turn tool with 1/2" drive ratchet or breaker bar. Angled teeth prevent tool from slipping.

SER **3707**

EVERCRAFT

1/2 IN. DR. GM WATER PUMP SOCKET



Easily removes or installs water pumps on 1993 to current Northstar 4.6 Liter and 1997 to current Aurora 4.0 Liter engines.

BK **776-9190**

NAPA ServiceTools

DUAL OVERHEAD CAMSHAFT LOCK TOOL



Versatile tool easily locks and holds camshaft sprockets firmly in place during belt or chain replacements, while preserving engine timing. Unique design utilizes knurled pins to hold against the inside of cam sprockets. The two parallel bars float, allowing pins to align with sprockets.

SER **77-4006**

NAPA ServiceTools

ECOTEC® GM ENGINE WATER PUMP SPROCKET HOLDER



Securely holds water pump sprockets when removing or installing pumps on Ecotec® engines. Prevents loss of timing and damage to engine. Half-moon design allows easy access to water pump gear bolts.

SER **77-4026**

NAPA ServiceTools

41MM WATER PUMP WRENCH FOR GM 1.6L



Water pump wrench with 3/8" square drive and short extension allows you to easily adjust and hold the water pump when replacing or adjusting the timing belt. Stubby design allows access without interference.

SER **13500**

NAPA ServiceTools



UNIVERSAL HOOD PROP

Three-piece hood prop telescopes from 18 1/2 to 46 3/4 inches, allowing technician to hold hood at desired level. Position on side of vehicle for better access to the engine compartment. Also ideal for use when repairing doors, trunk lids or hatchbacks. Compatible with all vehicle makes and models.

SER **77-4013**

NAPA ServiceTools



MONSTER HOOD HOLDER

The only prop that holds utility gates 100% open. Features double-locking system and stores easily in most toolbox drawers. Extended length: 5'. Retracted length: 25".

SER **HH1000**

MOTORVAC TECHNOLOGIES, INC.



MOTORVAC® CARBONCLEAN™ MCS245 FUEL SYSTEM SERVICE & DIAGNOSTIC CENTER

Works on port fuel, TBI, CIS or carbureted vehicles and runs unattended. Large, easy-to-read pressure and vacuum gauges. Features 12-volt DC operation range power supply, 15-amp circuit breaker protection, adjustable timer (0-60 minutes), five-quart (4.7 L) fuel tank, 30-gallon per hour pump (113.55 L) and a roto-molded cabinet. Includes 10-foot (3m)/14-gauge, heavy-duty power leads, 10-foot output/return reinforced nylon hoses, 10-foot vacuum hoses, 10-micron spin-on filter, five-micron canister filter, and detergent starter kit. One-year Limited Warranty.

Item No.	Description
BK **811-1142**	Carbon Cleaning System
BK **827-2003**	MV3 Fuel System Detergent 32 oz, Case/4
BK **700-2378**	MV3 Gasoline Engine Detergent 8 oz, Case/12
BK **700-2379**	MV4 Intake Detergent 8 oz, Case/12

MOTORVAC TECHNOLOGIES, INC.



MOTORVAC® CARBONCLEAN™ DUAL FUEL SYSTEM CLEANING CENTER

Services both gasoline and diesel engines. Features adjustable timer (0-60 minutes), precise fuel pressure adjustment and dual-line operation for superior performance. Works on port-fuel, TBI, CIS, carbureted and diesel systems. Includes intake cleaning kit, standard adapter kit for most domestic vehicles and detergent starter kit. One-year Limited Warranty.

Item No.	Description
BK **811-1149**	Fuel System Cleaning Center
BK **827-2003**	MV3 Fuel System Detergent 32 oz, Case/4
BK **700-2378**	MV3 Gasoline Engine Detergent 8 oz, Case/12
BK **827-2000**	MV3D Diesel Engine Detergent 16 oz, Case/12
BK **700-2379**	MV4 Intake Detergent 8 oz, Case/12



BK **827-2008**

MOTORVAC® CARBONCLEAN 1000

Provides complete, professional through-rail fuel system decarbonizing service. Single line, one-step operation and closed system with pre-mixed chemicals allow for minimal setup and fast services. Online application guide covers 1987 to current model year vehicles. Professional, heavy-duty rolling cabinet provides rugged utility with onboard storage for nine adapters. System can be run unattended. An alarm buzzer tells you when the service is complete, so the vehicle can be turned off without setting check engine codes.

Item No.	Description
BK **811-1145**	MotorVac® CarbonClean 1000
BK **827-2008**	MV5 Fuel System Cleaner



BK **827-2000**

BK **397-1105**

MOTORVAC® CARBONCLEAN™ DIESEL TUNE™ INDUSTRIAL FUEL SYSTEM SERVICE CENTER

Exclusive electronic pressure with patented microprocessor-based, solid-state controls. Features 12-24 volt DC power supply, exclusive soak mode, adjustable timer (0-60 minutes), 17.6-quart fuel tank, 2.5-inch (0-30 hg) vacuum gauge and 3.5-inch (0-160 PSI) pressure gauge. Includes 10-foot, heavy-duty power leads and a case of MV3D Diesel Engine Cleaner (12, 16 oz. bottles, *BK* **827-2000**). One-year Limited Warranty.

Item No.	Description
BK **397-1105**	Industrial Fuel System Service Center
BK **827-2000**	MV3D Diesel Engine Detergent 16 oz, Case/12



BK **700-2918**

BK **700-2915**
Cart not included.

X-SONICCLEAN DUAL FUEL SERVICE INJECTOR CLEANER & TESTER

On & Off Car Injector Cleaning & Diagnostics

- **ON CAR:** Complete cleaning and decarbonization of injectors, intake valves and combustion chambers, restoring performance, fuel economy and emissions.
- **OFF CAR:** Not sure if that injector is really bad? Simply test the injector and perform an Ultrasonic cleaning, restoring performance
- **Ultrasonic Cleaning** – Injectors are pulsed during the Ultrasonic cleaning process removing all carbon deposits, rust and contaminants.
- **Spray Pattern Testing & Evaluation** – Visually monitor/evaluate spray patterns and accurately measure injector delivery to correctly diagnose the condition and performance of the injectors.
- **Injection Flow & Volume Test** – Measure and compare the volume and flow of each injector via graduated cylinders. Match injectors for peak performance.
- **Auto Test** – Computerized test sequence utilizing variable RPM and Pulse width to simulate true conditions (Acceleration, Deceleration and Idle phases).
- **Injector Leak Down Test** – Test and verify leaky injectors under operating pressure. Visually check for dribble.
- **Injector "Reverse Flush" Cleaning** – Completely back flush injectors, removing any internal contaminants while cleaning screens and baskets on top feed injectors.
- Digital fuel pressure control offers stable pressure control and large adjustable range, suitable for all EFI vehicles up to 150 psi/10.71 Bar
- Computerized control and display simplifies cleaning, testing and evaluating injectors
- Built-In glycerin filled pressure gauge, membrane keypad and audible beep alerts
- Simplified user interface with selectable RPM and pulse width
- Internal micron filter effectively removes debris during fuel rail flushing and other functions
- Automatic fuel drain feature allows for test fluid or detergent to be easily drained by pushing button on the control panel

Item No.	Description
BK **700-2915**	X-SonicClean
BK **700-2918**	Optional X-SonicClean BT Hose Kit

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® MV4 AIR INTAKE DETERGENT



A proprietary detergent formula for de-coking intake plenums. Also cleans throttle plates and idle bypass circuits. The perfect replacement for any top engine application requirement.

Item No.	Net Wt.	Bottles/Case
BK **700-2379**	8 oz.	12

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® CARBONCLEAN™ MV3 FUEL SYSTEM DETERGENT



Designed for use in MotorVac® CarbonClean™ equipment, this proprietary gasoline engine detergent can also be used in any other fuel system service requiring a fuel-cleaning mixture. De-cokes intake plenums and also cleans throttle plates and idle bypass circuits. The perfect replacement for any top engine application requirement.

Item No.	Net Wt.	Bottles/Case
BK **827-2003**	32 oz.	4

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® CARBONCLEAN™ MV3D DIESEL TUNE ENGINE DETERGENT



MV3D diesel detergent is specially formulated to address the tough conditions that exist inside diesel engines. Safely restores horsepower, lowers emissions and improves mileage.

Item No.	Net Wt.	Bottles/Case
BK **827-2000**	12 oz.	12

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® FUEL SYSTEM CLEANER



Super concentrated detergent package rapidly cleans fuel system including injectors and intake valves. Exclusive Hydrobond Technology uses proprietary chemistry to "steam clean" combustion chamber deposits, revitalizing performance and restoring fuel economy. For use with any pressurized fuel canister tool.

Item No.	Net Wt.	Bottles/Case
BK **827-2009**	16 oz.	6

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® MV5 FUEL SYSTEM CLEANER



Super concentrated detergent package rapidly cleans fuel system including injectors and intake valves. Exclusive Hydrobond Technology uses proprietary chemistry to "steam clean" combustion chamber deposits, revitalizing performance and restoring fuel economy. Works exclusively with the CarbonClean 1000 (*BK* **811-1145**).

Item No.	Net Wt.	Bottles/Case
BK **827-2008**	17 oz.	6

OTC

INJECT-R KLEEN FUEL INJECTOR CLEANING FLUID



A clean fuel injector means a cleaner running, more efficient engine with lower emissions. Inject-R Kleen is formulated specifically for cleaning and restoring injectors to their original spray pattern, while helping to prevent recurring problems. Reduces intake and port deposits. For use with canister-type Fuel Injector Cleaner (*BK* **700-2123**).
CAUTION: Not intended for use as a fuel additive.
DO NOT pour into fuel tank.

Item No.	Net Wt.	Bottles/Case
BK **700-2121**	16 oz.	12

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® CARBONCLEAN™ MV3 GASOLINE ENGINE DETERGENT



Designed for use in MotorVac® CarbonClean™ equipment, MV3 is a proprietary gasoline engine detergent that can also be used in any other fuel system service requiring a fuel-cleaning mixture. Gently clean dirt, varnish, waxes, carbon and other types of contaminants that build up in critical areas of vehicle engines.

Item No.	Net Wt.	Bottles/Case
BK **700-2378**	8 oz.	12

3M

3M™ FUEL SYSTEM CLEANER BASIC ADAPTER KIT



Basic assortment of adapters designed to enable a shop to perform fuel system cleaning.

MMM **08829**

3M

3M™ FUEL SYSTEM CLEANER DELUXE ADAPTER KIT



Assortment of adapters designed to enable a shop to deliver 3M™ Fuel System Cleaner *MMM* **08913** - *MMM* **08955** and 3M™ Fuel Injector Cleaner *MMM* **08912** - *MMM* **08956** to 85%-90% of the fuel injected cars on the road today.

MMM **08830**

3M

3M™ UNIVERSAL FUEL SYSTEM CLEANER 3-PACK



Contains one each of the following: 3M™ Universal Fuel System Cleaner *MMM* **08955**, 3M™ Fuel System Cleaner Tank Additive *MMM* **08813**, 3M™ Throttle Plate Cleaner *MMM* **08182**. See individual descriptions for product details.

MMM **08911** 6 per case

3M™ INTAKE SYSTEM CLEANER KIT

A total fuel system cleaner when used in conjunction with 3M™ Throttle Plate Cleaner *MMM* **08182** and 3M™ Fuel System Tank Additive *MMM* **08813.** Contains the 3M™ Intake System Cleaner Aerosol *MMM* **08958**

MMM **08962** 6 per case



3M™ INTAKE SYSTEM AEROSOL ADAPTER KIT

Equipped with an assembled tube attached to a brass quick disconnect fitting *MMM* **08927** for attachment to the 3M™ Intake System Cleaner *MMM* **08958**. The kit also includes a can hanger *MMM* **08837** and a complete set of instructions for use.

MMM **08960** 1 per case



3M™ INTAKE SYSTEM CLEANER

Aerosol intake system cleaner. Requires part number *MMM* **08960** to deliver product in front of the throttle plate.

Item No.	Net Wt.	Cans/Case
MMM **08958**	9 oz.	12



3M™ THROTTLE PLATE & CARB CLEANER

High performance cleaner designed to clean and lubricate throttle body assemblies, carburetor assemblies, and automatic chokes. Removes gums, oil, and varnish. Safe for coated throttle plates.

Item No.	Net Wt.	Cans/Case
MMM **08866**	8.5 oz. (241 g)	12



3M™ CHOKE & CARB CLEANER

High performance aerosol cleaner designed to penetrate and remove gums, oil, and varnish from automatic chokes and carburetor assemblies. Its high delivery rate flushes away loosened deposits. **CAN NOT BE SOLD IN CALIFORNIA. USE** *MMM* **08866 FOR CALIFORNIA.**

Item No.	Net Wt.	Cans/Case
MMM **08796**	12.5 oz.	12



3M™ UNIVERSAL FUEL SYSTEM CLEANER

3M™ Fuel System Cleaner (100 psi Can) is a proprietary mixture of high octane fuel, deposit removing solvents, a water micro-emulsion, detergent-dispersants, corrosion inhibitors and lubricants.

Item No.	Net Wt.	Cans/Case
MMM **08955**	12 oz.	2



3M™ UNIVERSAL FUEL INJECTION CLEANER

3M™ Fuel System Cleaner (100 psi Can) is a proprietary mixture of high octane fuel, deposit removing solvents, a water micro-emulsion, detergent-dispersants, corrosion inhibitors and lubricants.

Item No.	Net Wt.	Cans/Case
MMM **08956**	10 oz.	12



3M™ INJECTOR CLEANER

Tank additive. Clean fuel injectors and removes deposits during the time it takes to consume one tank of gas. Restores power and fuel economy. Eliminates stalling, hesitation and poor performance due to dirty fuel injectors.

Item No.	Net Wt.	Cans/Case
MMM **08812**	16 fl. oz.	6



3M™ COMPLETE FUEL SYSTEM CLEANER

Tank additive. Designed to clean intake valves and combustion chambers and remove fuel injector deposits during the time it takes to consume one tank of gas. Protects against carbon buildup and engine knock.

Item No.	Net Wt.	Cans/Case
MMM **08813**	16 fl. oz.	6



3M™ MAX STRENGTH FUEL SYSTEM CLEANER

- Most concentrated product you can buy.
- One tank clean up.
- Cleans fuel injectors, intake valves, combustion chambers.
- Use every 10,000 miles

Item No.	Net Wt.	Bottles/Case
MMM **08814**	11 fl. oz.	6



3M™ UNIVERSAL FUEL INJECTOR CLEANER KIT



Contains 3M™ Fuel Injector Cleaner Can Hanger *MMM* **08837**, 3M™ Fuel Injector Cleaner Long Hose *MMM* **08838** and a 3M™ Gauge/ Regulator for Fuel Injector Cleaner Systems *MMM* **08828.**

MMM **08836**

3M™ FOAMING ENGINE DEGREASER



- Powerful cleaner removes grease, grime and dirt
- Safe for most under-the-hood rubber and plastic parts
- Fast acting

Item No.	Net Wt.	Cans/Case
MMM **08899**	16.5 oz.	12

3M™ GASKET PREP & PARTS CLEANER



Use to clean all surfaces prior to applying gasket adhesives or sealants. Excellent general purpose degreaser. Cleans valve covers, oil pans, all mating surfaces.

Item No.	Net Wt.	Cans/Case
MMM **08901**	14 fl. oz.	12

3M™ SUPER SILICONE SEAL



A paste-like, one-component clear material which cures to a tough, rubbery solid when exposed to moisture in the air. It will adhere to clean metal, glass, wood, ceramic, natural and synthetic fiber, painted surfaces, and many plastics.

Item No.	Color	Size	Per Case
MMM **08661**	Clear	3 oz.	12
MMM **08663**	Clear	1/10 Gal. Cartridge	12
MMM **08662**	Black	3 oz.	12
MMM **08664**	Black	1/10 Gal. Cartridge	12

3M™ HIGH TEMP SILICONE GASKET



3M™ Ultrapro™ High Temp Silicone Gasket is a rapid curing form-in-place silicone gasket adhesive/sealant for use on automobile engines. It is a flexible, non-corrosive, oxygen sensor safe compound that can be used as a gasket material for valve covers, oil pans and other engine and transmission applications. 3M™ Ultrapro™ High Temp Silicone Gasket can be used in applications up to 600°F including valve covers, oil and transmission pans, intake manifolds, water pumps, timing chain covers and thermostat housings.

Item No.	Color	Net Wt.	Tubes/Case
MMM **08672**	Black	3 oz.	6

3M™ SILICONE GASKET



3M™ Ultrapro™ Silicone Gasket is a rapid curing form-in-place silicone gasket adhesive/sealant for use on automobile engines. It is a flexible, non-corrosive, oxygen sensor safe compound that can be used as a gasket material for valve covers, oil and transmission pans, intake manifolds, water pumps, timing chain covers and thermostat housings. 3M™ Ultrapro™ Silicone Gasket can be used in applications up to 600°F.

Item No.	Color	Net Wt.	Tubes/Case
MMM **08700**	Black	3 oz.	12
MMM **08704**	Gray	3 oz.	12

3M™ FUEL SYSTEM TUNE-UP KIT



A three part kit designed for the 'medium' to 'heavy' do-it-yourselfer to perform a professional fuel system cleaning at home. Contains 3M™ DIY Intake System Cleaner *MMM* **08954**, 3M™ Throttle Plate and Carb Cleaner *MMM* **08989,** and 3M™ Complete Fuel System Cleaner *MMM* **08813.**

- Helps to restore power and save on gas mileage
- As easy to perform as an oil change
- Detailed instructional DVD included with kit

MMM **08963**

33 PC. FUEL INJECTION SYSTEM TOOL KIT



Set includes fuel line pressure gauges, adapters, and other components required to work on Fuel Injection Systems. Includes storage case.

SER **3467**

FUEL INJECTION CLEANING KIT



Incorporates anodized bottle with permanent laser etching for sleeker appearance. Separate gauges allow for proper cleaning pressure to be set, reducing damage. Centrally-mounted chain and S-hook provide better balance during cleaning to leave unused fluid in bottle. Stainless steel braided Teflon hose resists solvents and abrasion for longer service life. Restores original spray pattern for improved performance and fuel mileage. Fluid capacity 20 oz. up to 100 psi or 0-7 bar.

SER **TU470B**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

OTC

FUEL INJECTOR CLEANER



A clogged fuel injector can cause sluggish engine performance, poor fuel economy and rough idle. More effective and profitable than conventional aerosol methods, the fuel injector cleaner works on most high- or low-pressure systems, on domestic and import vehicles. Includes gauge, hose and instructions. Adapters sold separately.

BK **700-2123** Fuel Injector Cleaner
BK **700-2121** Inject-R Cleaning Fluid

FORD FUEL INJECTION SYSTEM TEST ADAPTER



For testing fuel-injection system pressure on Ford vehicles with the small, Shrader-type test valve, found on the fuel supply line after the regulator and filter. This valve is used for test tap purposes only and it appears on Ford vehicles equipped with throttle body injection (TBI) and multi-port fuel injection. For Use w/ Fuel Injection Pressure Tester (BK **700-1089**)

BK **700-1295**

Mityvac



MITY-VAC® FUEL SYSTEM TESTING KIT

Diagnose and pinpoint common fuel system failures including failing fuel pump, faulty pressure regulator, blocked filter(s), pinched fuel line, contaminated fuel, and fuel tank vortex. Measures fuel system pressure and flow to accurately pinpoint fuel system failures. Patented system simulates extreme driving conditions in the shop to provide the most accurate diagnosis. Capable of testing both return and returnless fuel systems including electronic control. Provides clear visualization of fuel to detect impurities and air bubbles.

Contents

- 3.5 (90mm) High pressure gauge with rubber boot
- Push-button relief valve and hanging hook
- 4 (1.2 M) Long pressure test hoses
- Inline pressure test hose with 1/4 turn valve
- 37 Adapters for connecting to most U.S., European and Asian manufactured automobiles
- Pressure relief hose
- Custom molded case
- Operator's Manual (English, French, Spanish, German)

BK **700-3881**

C.I.S. K-JETRONIC FUEL INJECTION TESTING KIT

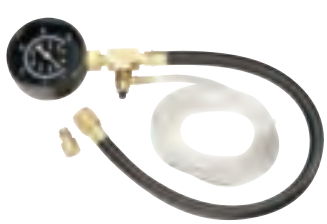


This in-line pressure tester can be used on the Bosch K-Jetronic Continuous Injection System found on most late-model European/Volkswagen vehicles assembled in the U.S. Indicates problem sources, such as control pressure regulator, fuel distributor or other specific fuel-injection components that may require replacing. Tests C.I.S. non-electronic with metric threads, C.I.S./Lambda electronic with metric threads and C.I.S.-E electronic with metric threads (does not test other Bosch fuel-injection systems). Gauge features a 2 1/2" diameter face with dual scale (100 PSI, 7 Kg./Cm2) and is equipped with a hanging hook. Adapters/application chart, hook-up/parts schematic drawing, and complete instructions are included.

BK **700-1438**

actron
precision electronic solutions

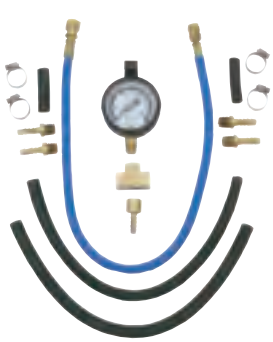
FUEL SYSTEM PRESSURE TESTING KIT



Safely tests vehicle fuel pressure systems, including fuel pump check valve, fuel rail pop-off pressure/deterioration and leaking injectors. Large, easy-to-read scale (0-100 PSI). Solid brass fittings with pressure relief valve for safe, clean testing. English/Spanish instructions included. Made in the U.S.A.

BK **700-2336**

FUEL INJECTION PRESSURE TESTING KIT



Adjusts fuel pump on fuel injection-equipped vehicles to factory recommended pressure. Easy to hook up and read. Kit includes everything necessary to test gasoline fuel-injection pressure on most domestic and import cars.

BK **700-1089** Fuel Injection Pressure Testing Kit
BK **700-1295** Ford Adapter

NAPA ServiceTools

FUEL PUMP VACUUM & PRESSURE TESTER



Test for fuel line pressure and vacuum leaks and check for leaky valves, timing, fuel pump vacuum and pressure and gas line leakage. Tester is equipped with an easy-to-read gauge with a 3" hose and a vacuum hose adapter fitting. Gauge measures vacuum from 0 to 28" Hg in 1" increments (0 to 700mm Hg in 50mm increments). It also measures pressure from 0 to 15 psi in 1/2 psi increments (0 to 1 kg/cm2 in 0.1 kg/cm2 increments). Gauge diameter 2 11/16".

CAUTION: Not for use on fuel injected vehicles.

SER **2521**

Stant

FUEL SYSTEM TESTER



Designed for use on diesel/gas fuel systems that utilize threaded caps. Has built-in devices to avoid system damage. Easy and effective to use—simply thread cap into gas tank filler neck, tighten, and pressurize to a minimum of 50 inches H2O as indicated on the built-in gauge. Within two minutes, you will know if the system is leak-free. Carrying case and instructions included.

BK **700-1512**

NAPA ServiceTools

DIESEL EXHAUST FLUID TESTER



Designed to test the urea concentration of diesel exhaust fluid. Professional disc-type 16 1/4" tester is accurate at all temperatures. Easy to read discs are magnified by convex design on clear plastic barrel. Includes one-piece bulb and neoprene dip tube.

SER **THX108**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

EVERCRAFT



FUEL PRESSURE TEST KIT

Fuel pressure test kit is used to test fuel pressure and to perform basic electrical tests. Kit features test gauge, boot and hoses, GM TBI adapter, dual manifold and Ford Schrader adapter. Also contains multimeter, 9 Volt DC battery, black and red multimeter clips, multimeter leads, M8 x 1 banjo bolt, M12 x 1.25 banjo bolt, 5/16" hose clamp, 5/16" x 3" hose, 1/4" hose clamp and 1/4" x 2" hose. Comes in a sturdy blow-molded storage case. Designed for professional auto-mechanics and heavy-duty applications.

BK **776-8075**

OTC

FUEL SYSTEM PRESSURE TESTER



Sturdy, 3 1/2" gauge (0-100 PSI) provides accuracy within 1%. Built-in retard (100-150 PSI) protects gauge from over-pressure damage. Bleed valve reduces pressure when disengaging quick-disconnect fitting from check valve, preventing fuel spray. Includes six-foot line hose and 30" pressure hose with quick-disconnect fitting.

BK **700-1487**

OTC

FORD CENTRAL FUEL INJECTION ADAPTER



Low-pressure, hairpin adapter for Ford central electronic fuel-injection systems. Features a check valve and quick-disconnect fitting. For use with Fuel System Pressure Tester (*BK* **700-1487**).

BK **700-1489**

OTC

CHRYSLER/GM FUEL INJECTION FITTING



Specialized fitting for domestic systems features 90° elbow for Chrysler/GM vehicles.

BK **700-1186**

OTC

FORD EFI FUEL PRESSURE ADAPTER



For 1986-Up Ford EFI vehicles with spring-lock fuel connections and no Schroeder valve. Features check valve and quick-disconnect. For use with Fuel System Pressure Tester (*BK* **700-1487**).

BK **700-1434**

OTC

GM TBI FUEL PRESSURE ADAPTER



Replaces the fuel filter during fuel system pressure checks on 1983-Up GM TBI systems. Eliminates the need to unhook fuel line from throttle body.

BK **700-2460**

OTC

FORD EFI SCHROEDER VALVE ADAPTER



High-pressure adapter for Ford central and port electronic fuel injection systems with Schroeder valve. Features check valve and quick-disconnect fitting. For use with Fuel System Pressure Tester (*BK* **700-1487**).

BK **700-1488**



Mityvac

DIGITAL DIESEL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LCD display is easy to read from any angle, in light and dark environments. Uses standard 9 Volt DC battery for convenience and cost. Automatically shuts off after 3 minutes of non-use to conserve battery (memory is retained). Rubber boot protects the gauge from bumps and drops. Display values in PSI, Bar and kPa. Includes adapters for testing modern domestic diesel engines.

BK **700-2800**

Contents

Qty.	Description
1	Digital Compression Tester comprising of test gauge with rubber boot, 15" (380mm) long, high pressure hose, and female quick release coupler
1	Adapter, Injector (2003-99 Dodge 24-Valve 5.9 L. Cummins/5.9 L. Cummins ISB & ISBE)
1	Injector Adapter (1998-Earlier Case/Cummins Series B 2.9/3.9/5.9 L)
1	Glow Plug Adapter (1985-78 GM 4.3/5.7 L.; 1994-Earlier Navistar 6.9/7.3 L.)
1	Glow Plug Adapter (GM 6.2/6.5 L. V8)
1	Glow Plug Adapter (2003-94 Ford/Navistar 7.3 L. Power Stroke)
1	Glow Plug Adapter (Volkswagen 1.9 L. TDI)
1	Right Angle Adapter
1	Custom molded case
1	User's Manual (English, French, Spanish, German)



Actron

HEAVY-DUTY COMPRESSION TEST KIT

The complete test kit for the professional mechanic! Extremely accurate, bronze phosphorus, bourdon tube, 2" polished-chrome gauge and screw-on, impact-resistant lens. Also features quick-disconnect release valve for fast rechecks and a handy, high-impact carrying case. Comes with chrome long-reach adapters (10mm, 12mm, 14mm, 18mm). Tests cylinder compression, worn piston rings and blown head gaskets. Compression: 0-300 PSI/0-30 lbs.

BK **700-1586**



Mityvac

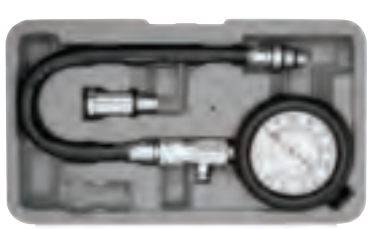
DIGITAL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LC display is easy to read from any angle and in any light. Uses standard 9V battery for convenience and cost. Automatically shuts off after 3 minutes of non-use (memory is retained). Rubber boot protects the gauge from bumps and drops. Sealed, grease- and oil-resistant gauge face prevents contamination of electronics. Displays values in PSI, Bar and kPa.

BK **700-2801**

Contents

Qty.	Description
1	Digital compression tester comprising of test gauge with rubber boot, 10" (250mm) high-pressure hose and female quick-change coupler
1	14mm standard reach thread x 6.5" (165mm) hose adapter
1	14mm standard reach thread x 12" (305mm) hose adapter
1	14mm reach thread x 12" (305mm) hose adapter
1	18mm standard reach thread x 12" (305mm) hose adapter
1	18mm reach male thread x 14mm standard reach female thread plug adapter
1	16mm male thread x 14mm standard reach female thread plug adapter
1	10mm male thread x 14mm standard reach female thread plug adapter
1	12mm male thread x 14mm standard reach female thread plug adapter
1	Air hold adapter
1	Field service kit
1	Custom-molded case
1	User's manual (English/French/Spanish/German)



EVERCRAFT

ENGINE COMPRESSION TEST KIT

Used to determine engine mechanical condition by testing compression through the spark plug ports. Kit includes gauge, hose and 14-18mm adapter in a sturdy blow-molded plastic carrying case. Compression: 0-300 PSI. Designed for the professional auto mechanics and heavy-duty applications.

BK **776-8080**



DIESEL EXHAUST FLUID REFRACTOMETER (UREA)

EPA regulations require all diesel engines manufactured on or after January 1, 2010 to meet lowered NOx emission standards. Newer engines require periodic addition of Diesel Exhaust Fluid (DEF, a urea solution) to enable the process. To ensure proper operation of the system, operators must ensure the DEF in their vehicle consists of a 32.5 percent urea / water solution. Urea refractometer scale is 5% line graduation, 32.5% indicated scale, 15-40% total scale. Contents: Refractometer, Dropper, Cloth, Screwdriver and Case.

SER **3R201**



FUEL INJECTOR HEIGHT GAUGE SET

Injector height gauge set covers all applications for Series 50 and 60 Detroit Diesel engines. Includes handle along with 78.2mm, 78.8mm, 80.3mm, 81.0mm, and 82.1mm blocks.

SER **3350**

DIESEL ENGINE COMPRESSION TESTER

Measures cylinder pressure on diesel-equipped cars and light trucks. Records maximum pressure reached during engine test. Swivel and quick couplers connect to any of the adapters below. High-pressure hose is 16½ inches long. Gauge is scaled from 0-1,000 PSI and 0-70 Kg/Cm2.



Item No.	Description
BK **700-1511**	Compression Tester
BK **700-1442**	Adapter, Detroit Diesel (53/71/92 Series)
BK **700-1441**	Adapter, GM Diesel (6.2 L./Some 4.3/5.7 L.)

DIESEL COMPRESSION TESTER

Set includes compression gauge with protective boot and special air-hold valve for easy reset. Also three brass adapters and storage case. Features quick disconnect from gauge to adapters, gauge checks up to 1000 psi, quick release coupler and flexible hose. Adapter Size: 24mm x 2, 10mm x 1.

SER **3468**





COMBUSTION LEAK TESTER

Fast, economical and accurate method to test for combustion gas leaks from head gasket leaks, cylinder head leaks and engine block leaks. New and improved dual chamber for higher accuracy test to eliminate false readings. The first chamber will filter out any alkaline particles that could result in a false indication of a combustion leak. Test results in the second chamber will provide a true indication of a combustion leak. Works on gasoline and diesel engines. Positive proof that a leak is present is when the tester fluid changes color. Contents: Unit, Fluid, Instructions and Case.

SER **77-1302**



UNIVERSAL COMBUSTION LEAK TEST KIT

Locate combustion leaks without guesswork. Tests in seconds for cracked blocks, leaky gaskets or cracked/warped heads. Kit includes test tool and a 16-ounce bottle of combustion leak test fluid. For gas and diesel engines

Item No.	Description	*BK* 700-1006 Set
BK **700-9572**	Aspirator Bulb w/Valve	•
BK **700-1361**	Large Engine Adapter	•
BK **700-1366**	Leak Test Fluid, 16 oz. bottle	•



COMPRESSION TESTER

Set includes storage case, compression gauge with protective boot, one extension, two hand-held adapters and a special air-hold valve for easy reset. Features gauge checks up to 300 psi and flexible line with three brass adapters. Adapter Size: 10mm, 12mm, 14mm.

SER **3469**



QUICK-RELEASE COMPRESSION TESTER

The professional's choice! Tests for cylinder compression, worn piston rings and blown head gaskets. Convenient, push-button release valve allows for rechecking compression without removing the gauge. Compression: 0-300 lbs. Fitting Adapter: 14mm, 18mm. Gauge: 2" dia.

BK **700-1095**

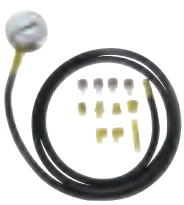
COMPRESSION TESTER
Flexible oil resistant 14" hose for long life. Both U.S. and Metric 0-300 PSI scales on 2½ gauge face for convenience.
Fitting adapter sizes: 14mm & 18mm
BK **700-1714**



COMPRESSION TESTER
Tester checks cylinder compression from 0 to 300 PSI (0 to 21 kg/cm2). Adapters fit 14 and 18mm spark plug holes and special air-hold valve is included to reset gauge easily. Tester has 16" rubber hose and is a serviceable product.
SER **2428** Compression Tester
SER **901** Replacement Adapter



OIL PRESSURE TEST KIT
A versatile kit for all domestic cars and light trucks, as well as most import cars and light trucks. Brass fitting adapter. Gauge: up to 300 psi. Gauge Size: 2½". Hose Length: 6'.
SER **3343**



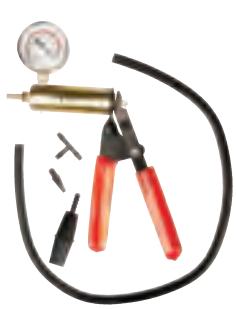
EXHAUST BACK PRESSURE GAUGE
The fast, easy way to read exhaust back pressure and help determine the extent of restriction. Simply insert the oxygen sensor hole, and the large, easy-to-read gauge clearly shows pressure from 0-25 PSI. Specially-designed tip provides more accurate pressure readings, while stainless steel, braided tube withstands high-heat engine conditions. Universal engine adapter is included for vehicles with thermactor systems. For use on Chrysler, Ford and GM and imported vehicles.
BK **700-2146**



MECHANICAL FUEL PRESSURE GAUGE
⅛" NPT Brass Fitting, Gauge Thread Size: ¼" NPT. Gauge Size 3½". Maximum Pressure: 100 PSI.
BK **700-1189**



HAND VACUUM PUMP
Check vacuum-operated components on cars and trucks, including distributor advance mechanisms, heating and air conditioning baffles, PCV/EGR valves and headlight cover doors. Rugged, steel-handled frame with solid brass cylinder and piston. Includes transmission modulators, 24" hose with tapered adapter, 2" dial gauge dia., cushioned-handle grips and barbed-brass hose fitting frame.
BK **700-2335**



VACUUM & PRESSURE TESTER
Easy-to-read meter face features U.S. and metric scales for both domestic and import cars. Screw-on, replaceable bezel. Gauge includes universal T- and tapered-wall adapters. Tests for vacuum leaks, sticky valves, bad carburetor adjustments, worn rings/cylinders, uneven compression and fuel pump defects. Gauge Diameter: 3½". Vacuum: 0-30" (0-800mm). Pressure: 0-700 g (0-10 lbs).
BK **700-1068**



FUEL INJECTION PULSE TESTER
For performing a cylinder balance test when injectors are the suspected cause of engine performance problems. This battery-powered electronic tool fires individual fuel injectors in half-second increments and three different ranges (one pulse, 500 ms./50 pulses, 10 ms./100 pulses, five ms.). Power and timing lights alert technician when test has been activated. Complete instructions included.
BK **700-1486**



BMW INJECTOR PULLER
This tool was developed to allow easy removal of screw on injectors on all BMW's with direct injection. On the V8 twin turbo engines BMW does supply a tool to remove injectors. Our tool, with its compact size, allows easy installation to the injector and easily pulls injectors out. This easy removal greatly reduces the amount of time to replace injectors, which makes more profit for technicians in the end. On 6 cylinder engines our tool is very easy to install, unlike factory tool where you must get a factory 'hook' worked down around and under the injector to pull up. Our tool allows you to simply screw the tool on the top of the injector, and then with 1 or 2 taps with slider, injector will come out easily.
SER **11800**



AIR LINE DISCONNECT SET
For use on push-in quick-connects found on heavy-duty truck air systems, as well as air systems on brakes, suspension, steering, engine, transmission and other auxiliary equipment. Also works on flow control, check, shuttle, and quick exhaust valves, as well as other function control fittings. Each tool is double-ended to disconnect air lines—even in hard-to-reach areas. Angled end allows maximum leverage, while smaller end fits in tight spots. Set includes four popular sizes (5/16", ⅜", ½" and ⅝")
SER **77-4035**



Mityvac



SILVERLINE® ELITE AUTOMOTIVE BRAKE BLEEDER KIT

Use wherever diagnostic pressure/vacuum is needed. Streamline your tool inventory by servicing vacuum and pressure related engine performance diagnostics and tune-ups, brake and hydraulic clutch bleeding, fluid transfer, evacuation and sampling.

Specifications

Max. Vacuum:..... 25" Hg
Max. Pressure:.....30+ PSI (207+ kPa)

BK **700-3882**

Contents

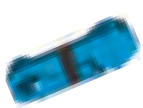
Qty.	Description
1	Silverline Elite hand vacuum/pressure pump w/ 2" (50mm) compound gauge w/rubber boot
1	4.5 oz. (135 ml) fluid reservoir bottle with fluid transfer and storage lids
4	Tapered adapters for connecting to tubing from .09" (2.3mm) to .50" (13mm) ID
2	Tapered manifold plugs
12	Vacuum cap plugs
1	Vacuum line T-adapter
2	1/4" (6.4mm) ID x 24" (610mm) long connection tubes
1	5/32" (4mm) ID x 1/4" (6.4mm) ID tubing adapter
3	Connection tubes
1	Rubber cupped adapter
1	Master Cylinder refill kit
1	Custom molded case
1	User's Manual (English, French Spanish, German)

EVERCRAFT


BK **776-9083**


BK **776-9084**


BK **776-9085**


BK **776-9086**

FUEL & OIL LINE DISCONNECT TOOLS

Separate the lines and fittings specified below. Anodized aluminum construction.

Item No.	Description
BK **776-9083**	Fuel, 1/4" (Fuel and Tank Return Line/ Pump Fittings)
BK **776-9084**	Fuel, 5/16" (Fuel and Tank Return Line/ Filter Fittings)
BK **776-9085**	Fuel and Oil, 3/8" (Fuel and Tank Return Line/Fuel Filter/ Oil Cooler Line Fittings)
BK **776-9086**	Oil Cooler, 1/2" Ford Escort/Taurus (AXOD/ATX Automatic Transmission)

NAPA ServiceTools



4 PC. LOW-PROFILE ROUND JIFFY-TITE® SET

Low-profile design quickly and easily disengages the line from Jiffy-Tite quick-connect fittings without removal of the clip. The teeth of the tool fit perfectly into tight tolerance of the connectors. When rotated it allows the line to be pulled without damage to the connector or retaining clip so they can be reused. Includes four sizes of disconnects. 3/8", 1/2", 5/8"-30% and 5/8"-39%. Outer finish is Brite.

SER **22990**

NAPA ServiceTools



JIFFY-TITE® FITTING DISCONNECT SET

For quick and easy disconnection of lines from Jiffy-Tite® quick-connect fittings, found on transmission oil cooler lines, radiators and other applications, without removing clip. They are also found on Harley-Davidson V-Rod, Freightliner, Peterbilt, Volvo and White vehicles. This set fits Jiffy-Tite® fittings on all 1996-up GM, 2004-up Chrysler/Daimler and some 2005-up Mercedes vehicles. Contains one of the following disconnects: 3/8", 5/8" 39%, 1/2", 5/8" 30%.

SER **77-4007**

NAPA ServiceTools



6 PC. AIR CONDITIONING/FUEL LINE DISCONNECT TOOL SET

Disconnects spring-lock couplings on Chrysler and Ford air conditioning lines. Also works on Chrysler, GM and Ford fuel line quick-connect couplings. The 5/16-inch size also fits Ford radiator and transmission line push-lock connectors. Sizes: 5/16", 3/8", 1/2", 5/8", 3/4", and 7/8".

SER **77-4031**

NAPA ServiceTools









2 PC. FUEL LINE KIT

Set includes disconnect tools for use on many Ford, GM and Mazda vehicles. Also used on Chrysler and Ford A/C Line Adapters. Tools also available individually.

CAUTION: For intended use only. Do not use with engine running. Release system pressure before disconnecting coupling.

Item No.	Description	*SER* **61059 Set**
SER **3321**	Fuel Line Quick Disconnect Tool. Fits 5/16" and 3/8" fuel lines.	•
SER **3290**	Ford A/C and Fuel Line Spring Lock Coupling Tool. Necessary tool releases locking mechanism on all four sizes: A (3/4"), B (5/8"), C (1/2") and D (3/8").	•

NAPA ServiceTools

FUEL LINE DISCONNECT TOOL
Hinged design and fully tapered end allow tool to be quickly and easily inserted into fuel line quick connector. Perfect in hard-to-reach areas. Size: 5/16".

SER **39210**



EVERCRAFT

FUEL LINE QUICK-DISCONNECT TOOL
Releases the fuel line locking mechanism on Chrysler fuel-injection vehicles (except imports), 1990-up Ford, 1989-up GM and some 1990-up Mazda vehicles. Fits both 5/16" and 3/8" fuel lines.

BK **776-9081**



EVERCRAFT

FUEL LINE & A/C SPRING-LOCK COUPLING DISCONNECT TOOL
Releases fuel and A/C line spring-lock couplings on most Ford and Chrysler LH series vehicles. Fits Line Sizes: 3/8", 1/2", 5/8", 3/4".

BK **776-9082**



NAPA ServiceTools

5 PC. LOW-PROFILE QUICK-DISCONNECT SET
Contains five popular size air conditioning and fuel line quick disconnect tools for hard to reach areas. Flexible plastic design allows for easy application over tubing to access disconnects. Sizes include: 7/8" (22mm), 3/4" (19mm), 5/8" (16mm), 3/8" (9mm) and 7/16" (8mm).

SER **3530**



OTC

FUEL LINE DISCONNECT TOOL SET
Works on quick connect fuel lines on GM, Ford, Chrysler & spring lock fuel line couplings on Ford PFI systems. Disconnect Tool will not damage fuel lines or fuel line connectors. Spring loaded, durable and fit line sizes: 5/16", 3/8" and 1/2".

BK **700-2098**



OTC

FUEL LINE DISCONNECT TOOLS & SET
Tools are spring-loaded and durable. Encloses fuel lines to help deflect spray, quickly disconnect spring lock couplings without damaging coupling.

Item No.	Size	*BK* 700-1292 2 Pc. Set
BK **700-1290**	3/8"	•
BK **700-1291**	1/2"	•



OTC

FUEL LINE DISCONNECT TOOL SET
Ideal for use on Chrysler, Ford and GM quick-connect fuel lines. Will not damage connectors. Fits Line Sizes: 5/16" and 3/8".

BK **700-1932**



OTC

FORD TRANSMISSION QUICK-DISCONNECT TOOL
Removes push-lock connectors at both the radiator and transmission connectors on 1983-current Ford, and 1982 Lincoln Continental overdrive transmissions. Slides down the transmission cooler line into the connector, and spreads plastic clip for easy removal.

BK **700-2100**



NAPA ServiceTools

GM TRANSMISSION OIL COOLER LINE DISCONNECT TOOL
Works on radiator to transmission oil cooler lines for 1987-Current Cadillac Eldorado, Seville and Concours, Buick Riviera and Reatta, and Olds Toronado; 1989-Current GM 1/2-ton, 3/4-ton, and 1-ton pick-ups. Works on FORD: EFI fuel lines with hair pin connectors.

SER **3893**



NAPA ServiceTools

CHRYSLER QUICK-DISCONNECT COUPLER TOOL
Quick-Disconnect tool that separate fittings on fuel filters, transmissions, air conditioning systems, fuel tank return lines on most vehicles, trucks and other heavy equipment.

SER **3890**



NAPA ServiceTools

FUEL & A/C DISCONNECT PLIERS
Unique design provides extra leverage when disconnecting quick connect coupling air conditioning and fuel lines. Use with **5/16"**, **3/8"** or **1/2"** adapters from the Lisle *SER* **37000** or *SER* **39400** disconnect tool sets. The pliers' forks have different sized openings so the tool can be turned around to fit single or two step collar designed connector lines. The pliers can also be used to reconnect stubborn lines or connections that are in hard-to-reach areas.

SER **37300**



EVERCRAFT

AUTO/TRANSMISSION COOLER LINE RELEASE TOOL
Disconnects transmission to radiator cooler line quick connect fittings. Fits 1986 to current for Taurus and Mercury Sable with AOD, ATX, or AXOD transmissions.

BK **776-8048**



FORD EFI FUEL LINE W/HAIR PIN CONNECTOR TOOL



Works on transmission oil cooler lines on: 1987-current Olds Toronado, Buick Riviera and Reatta, Cadillac Eldorado, Seville and Concours; and 1989-current GM 1/2-, 3/4- and 1-ton pickups.

SER **3891**

LOW-PROFILE FUEL LINE DISCONNECT TOOL SET



Ideal for detaching quick-connect fuel lines in hard-to-reach areas. The 3/8" adapter can be used on 5.3-liter GM Avalanche, select Sierra/Silverado models, Suburban, Tahoe and Yukon. The 5/16" adapter can be used on Chrysler and Ford applications.

SER **77-4027**

FORD FUEL LINE DISCONNECT TOOL



Use on 1990 and newer Ford Rangers and Explorers with 4.0-L, 6-cylinder engines. Provides easy, damage-free fuel line separation, at the fuel pressure regulators.

CAUTION: Relieve system pressure before using. For intended use only.

SER **3408**

FUEL LINE RETAINING CLIP WRENCH SET



Compact tool design fits tight spaces. Two sizes included designed to release the nylon retaining clip used on the fuel lines of newer GM and Chrysler vehicles with electric fuel pumps. Fits sizes 3/8" and 5/16".

SER **39160**

FORD POWER STROKE 6.7L DIESEL INJECTOR LINE SOCKETS



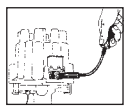
With the advent of high-pressure injection, the need to replace and correctly torque the injector lines has become more critical. This unique socket and deep crows foot gives the technician the ability to remove various injector lines. With the unique geometry of the tool, the injectors can be removed without breaking and damaging the electrical connections. The crowsfoot can be spun by hand under the bent lines. The long socket has the clearance required and linear shape to properly torque the fuel lines. Crowsfoot designed to spin under the bent lines for quick operation. Socket finish is black. Socket size 17mm, 12-Point Flare Nut and standard.

SER **11400**

CARBURETOR ADJUSTING TOOL



Heavy-duty flexible shaft for easy access. Four adapters conveniently store in the hollow handle. Adapters are "Double D" for GM 1979-present, 1/4" Hex for pre-1978 GM, 3/32" Hex for 1978-present Chrysler 1.7L – 2.2L engines and 4.5mm Hex for 1979-78 GM.



SER **2776**

GAS TANK FUEL PUMP 1/2 IN. DR. REMOVAL TOOL



Universal, adjustable tool removes plastic fuel retaining rings without damage. Can also be used to reinstall old retaining ring. For use with 1/2" drive extension and ratchet (not included).

BK **770-8001**

FUEL TANK LOCK RING TOOL



Stout tool to remove and install plastic fuel tank lock rings from 4" - 7 1/4" without damage. Channel design on body allows the legs to adjust to fit a wide range of applications and keeps the drive centered. Works on the new smaller GM serrated rings and traditional rings. The design is compact so the tool is not left hanging over the work area with the potential for hitting other components.

SER **63000**

3/8 IN. FORD FUEL FILTER WRENCH



Ford Power Stroke Diesel uses two different fuel filter housing lids, both are located in the V of the engine and are covered by another housing, this fuel filter wrench allows access to both. Other Ford fuel filter wrenches sometimes break off the points of the lid because the pressure is not evenly distributed by the wrench. This tool spreads the force of the removal over six contact points instead of two, preventing breakage. Low profile Ford fuel filter wrench allows mechanics to access those tough fuel filters in tight quarters. Used for removal and installation on the Ford Power Stroke Diesel and International / Navistar Diesel engines. Designed to allow for easy removal and installation of Ford 7.3L Diesel fuel caps and other Diesel filter systems using the same configuration.

SER **25200**

FUEL FILTER CAP TOOL



Works on Ford fuel filter with 36mm and web style cartridges. Also works on all 36mm cartridge style oil filters. Drive size: 3/8".

SER **538**

EVERCRAFT



CHRYSLER FUEL LINE DISCONNECT

Releases and installs fuel lines. Separates quick-disconnect fittings on fuel filters and fuel lines. Curve and extended length make this tool essential for hard to reach fuel line connections.

Applications: 1994 to current Chrysler LH vehicles and other Chrysler vehicles with quick disconnect fuel lines.

BK **776-9141**

NAPA ServiceTools



FORD FUEL LINE RELEASE TOOLS

Fuel line release tool is used on Ford, Lincoln or Mercury vehicles from 2011 to 2005. Works on type 1 or type 2-fuel line disconnects. Works on fuel or vapor system lines.

Item No.	Description
SER **568**	Fuel line size 5/16" and 3/8". Primarily found on light trucks or passenger cars.
SER **563**	Fuel line size 1/2". Primarily found on larger trucks or SUVs.

NAPA ServiceTools



INTERNATIONAL MAXX FORCE FUEL LINE RELEASE SET

International Maxx Force fuel line release tool works on series 11 and 13 engines. Heat-treated steel fork tines eliminate tool deflection. Plastic grip handle for comfort. Contents: 4 Release Tools.

SER **548**

EVERCRAFT



FUEL LINE DISCONNECT

Long reach for hard to get at places. Non-sparking plastic fiberglass material. Color-coded red is 5/16", blue is 3/8". Instructions included. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8073**

EVERCRAFT



O2 SENSOR WRENCH

Sensor wrench has a special purpose, universal slotted socket that will service hex vacuum switches and oxygen sensors. Chrome vanadium steel for toughness and swivel head for maneuverability. Chrome-plating for easy cleanup and professional look. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8069**

NAPA ServiceTools



DURAMAX (OEM) WATER SENSOR WRENCH

Removes and installs the water sensor located on the fuel filter on 2012 and newer 6.6-liter Duramax diesel engines. Rubberized handle for secure grip. For use when replacing the fuel filter or when servicing the water sensor. The plastic sensor has a new hex design that is easily damaged by tools, like pliers, that do not specifically fit the sensor.

SER **34900**

NAPA ServiceTools



DURAMAX (AFTERMARKET) WATER SENSOR WRENCH

Wrench for use when replacing the fuel filter or when servicing the water sensor. For use on 2011 and older aftermarket Duramax water sensors. The aftermarket plastic sensor has a modified octagon shape that is easily damaged by tools, like pliers, that do not specifically fit the sensor.

SER **34910**

NAPA ServiceTools



DURAMAX WATER SENSOR WRENCH

For removing, installing or servicing water sensors on 2001-Up, 6.6-liter Duramax diesel engines. Tools that are not specifically designed to fit easily damage the plastic, 12-sided sensor. Can also be used when replacing fuel filter.

SER **77-4009**

EVERCRAFT



FUEL PUMP RETAINER WRENCH

For removal and securing the fuel pump retaining ring without damage. Offset, coated handle supplies a sure grip for ease of use. Works on many 1998-84 Ford vehicles with CFI and EFI fuel systems.

BK **776-9178**

EVERCRAFT



CARBURETOR ADJUSTING TOOL

Used to adjust idle jets on carburetors, the 1 1/2" flex shaft reaches deep into confined areas. Two-way tip storage—inside handle or rubber boot. Includes four quick-change adapter tips for multiple applications.

BK **776-9072**



THROTTLE PEDAL DEPRESSOR

Conveniently holds the accelerator pedal at a constant RPM. Unit connects to the steering wheel with a nylon hook then the depressor rod extends to the accelerator pedal. The adjustment screw is used to fine-tune the RPM level. 40" Length.

SER **48700**



FORD 7.3L FUEL CAP TOOL

Design allows for easy removal and installation of Ford 7.3L Diesel fuel caps and other Diesel filter systems using the same configuration. Works with fuel caps from 1994 to present. Improves ability to remove and install caps where access is a problem. Patented.

SER **3526**



EZLINE® LASER MULTI-ALIGNMENT TOOL

Full Ezline® kit can align virtually any commercial tractor, trailer, bus or recreational vehicle for a fraction of the cost of standard alignment devices. Checks and aligns toe setting, scrub angle and drive axle offset. Capable of aligning tractor trailers containing an 80,000 lbs. load.

SER **EZLINEB1SW**

Contents

Qty.	Description
4	Magnetic Self-Centering Lasers
1	32' Measuring Tape
2	Magnetic 5th Wheel Pin Adapter
1	Storage Case
1	Software

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

Our press-type ball joint separator allows for ball joint removal without damage to boots and other parts that fork-type removers may cause.



FRONT END SERVICE KIT

This versatile set allows for easy removal of the most popular types of Pitman arms, tie rods, and ball joints.

SER **41690**



Contents

Item No.	Description
SER **2289**	Pitman Arm Puller 22 x 140mm: For nearly any Pitman arm job on passenger cars and light trucks.
—	Tie Rod Puller: For servicing outer tie rods and ball joints on domestic and import vehicles with front or rear wheel drive, cast or stamped-steel steering knuckles.
—	Universal Ball Joint Separator: For separating the ball joint from the spindle support arm on domestic and import front wheel drive vehicles. Adjustable for different size ball joints.
SER **3917**	Tie Rod End Puller and Pitman Arm Puller: Use as a Pitman arm remover for many small domestic rear wheel drive vehicles, or as a tie rod end puller for many domestic and import vehicles.
—	Universal Tie Rod End Remover: For use on imports and many front wheel drive vehicles, including SUVs with rack and pinion steering. Live center tip on forcing screw swivels to align tool to tie rod stud to ease in removal and prevent damage to stud.

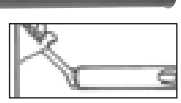


MASTER INNER TIE ROD TOOL KIT

Includes all nine crowsfeet to work on many applications. The long socket slips over the tie rod end and the crowfoot engages on the socket for easy removal and installation. The inner tie rod can be removed and installed without removing the rack. The kit comes in a molded case for convenient storage. Case is designed to hold up to four additional crowsfeet as new applications are discovered. Sizes used: 29mm, $1^{3}/_{16}$", $1^{1}/_{4}$", 32.5mm, $1^{5}/_{16}$", 33.6mm, $1^{3}/_{8}$", $1^{7}/_{16}$", $1^{1}/_{2}$". Packaged in a blow molded case.

SER **46800**





DELUXE INNER TIE ROD TOOL

Remove and install inner tie rods on many GM and some Chrysler products that have a complete hex with a ball socket or just 2 flats on the inner end that measure $1^{7}/_{16}$" across. Tool can also be used on all inner tie rods with $1^{3}/_{16}$" and $1^{5}/_{16}$" hex sizes.

CAUTION: Do not use with power tools. For intended use only.

SER **3312**



INNER TIE ROD TOOL
Utilizes six crow's feet to engage wrench flats on tie-rod end sockets that do not have a full-length hex. Long socket slips over tie-rod end and connects to crow's foot, making it possible to remove/install the inner tie-rod without removing the rack. Includes an additional 1½" crow's foot for Chevrolet Colorado/GMC Canyon.

SER **77-4012**

CROWS FOOT TIE ROD REMOVAL TOOL
For use with inner tie rod tool *SER* **77-4012**. Works on tie rods with inaccessible flats and can also work with tie rods with no flats.
Hex size: 1⅜".



SER **46300**

UNIVERSAL TIE ROD END TOOL
For use on most automotive applications. To use, insert tool between spindle arm and tie rod, turn thrust bolt with ¾" (19mm) socket or wrench to spread tie rod easily. Fork 18mm (11/16").



BK **776-9182**

TIE ROD END & PITMAN ARM PULLER
Use as a Pitman arm remover for many small domestic rear wheel drive vehicles, or as a tie rod end puller for many domestic and import vehicles.
Spread Range: 1 1/16"-2⅛".



SER **3917**

TIE-ROD END & PITMAN ARM PULLER
For safe and easy removal of Pitman arm assemblies and tie-rods on compact cars. Heat-treated, drop-forged yoke with heavy-duty center screw.
Opening: 11/16". Pull: 2⅛".



BK **776-9097**

TIE ROD ADJUSTING TOOL
Easily removes tie rods (outer) on FWD and RWD import and domestic vehicles with cast or stamped steel steering knuckles. Jaws apply up to 5 tons of force; special design prevents jaws from slipping.



BK **776-9170**

PITMAN ARM PULLER
Adjustable, with replaceable forged jaws. Two-clamp bolts lock jaws on Pitman arm. Can perform other pulling jobs on cars and light trucks. Capacity: ¾ ton. Maximum Spread: 2⅛".



BK **700-2458**

PITMAN ARM PULLER
Pitman arms used for pulling. Heat-treated frame for strength and durability. Pressure screw has ball head designed for striking. Comes fully assembled.



BK **776-8071**

PITMAN ARM PULLER
Removes full size Pitman Arms from steering boxes. Drop-forged, zinc-plated steel yolk for strength and durability. Shape is designed to fit the job ensuring positive grip.
CAUTION: Wear eye protection. Do not use with power tools.



BK **776-9067**

PITMAN ARM PULLER
To use, simply mount jaws over arm, turn center screw with wrench until tight and strike screw with hammer. For use on full-size pitman arms. Drop forged, heat-treated steel yoke. Dimensions: 22mm x 140mm. Center Screw Size: ⅝"-18 Thd.
NOTE: Not for use with power tools.



SER **2289**

TIE-ROD ADJUSTING TOOLS
For fast, accurate tie-rod adjustments. Durable, heat-treated steel with black anodized finish.

Item No.	Description
BK **700-2472**	Compact Car, ¾" Dia. Adj. Sleeve
BK **700-2473**	Full-Size Car, ⅞" Dia. Adj. Sleeve
BK **700-2474**	Light Trucks, 1⅛" Dia. Adj. Sleeve



TIE-ROD ADJUSTING TOOL
Permits 360° rotation of sleeve for required adjustment. Four-position feature allows technician to locate tool and grip sleeve properly—even when access is limited. Universal tool services most compact/standard size passenger cars and light trucks.



BK **700-2246**

EVERCRAFT

TIE-ROD END LIFTER



Separates and removes ball joints on steering and suspension systems. Ductile steel construction with 19mm jaw opening and 38mm maximum opening.

BK **776-9095**

EVERCRAFT

BALL JOINT SEPARATOR



Easily spreads ball joints in areas where access is limited. Heat-treated, drop-forged steel construction for added strength and durability.
Jaw Opening: 19mm. Max. Opening: 38mm.

BK **776-9096**



NAPA ServiceTools

UNIVERSAL TIE ROD WRENCH

This universal wrench fits on all styles and allows the technician to unscrew the tie rod link for replacement. Unique lever design will turn hex rack ends or hex shafts.

SER **7484**



NAPA ServiceTools

FORD 22MM CASTER/ CAMBER WRENCH

For use in aftermarket replacement applications. Unique shape with double-ended, 22mm socket allows easy access to hard-to-reach caster/ camber adjusting bolts. Shipping Weight: 12 oz.

SER **77-4041**

NAPA ServiceTools

INNER TIE ROD TOOL



Turns smooth tie rods easily. Simply slide tool over the end and tighten collar to allow access with an extension. Can remove inner tie rod without removing the outer tie rod. No more bulky tool to store. Inexpensive and effective way to turn these smooth tie rod ends.

SER **946**

Exclusive YouTube Broadcast Yourself videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



Ken-Tool WHEREVER TIRES ARE CHANGED



IMPACT SEPARATOR TOOL

Heavy-Duty Impact Front-End Service Tool

- Hits harder and straighter than a hammer
- Safer to use, no more misses or glancing blows
- Two easily interchangeable hardened steel forks:
- Use the T39B-1 fork to separate shock absorber links and tie rods
- Use the T39B-2 fork on spindle support arms to remove ball joints without damaging other suspension parts
- Services compact cars and light duty trucks too. Made in USA.

Item No.	Description	Length	Weight
SPC **35939**	Impact Separator Tool w/2 Forks	36½" (92.1)	11 lbs (5 kg)
SPC **35939-01**	Fork with 5/8" (1.6 cm) opening	9" (22.9 cm)	1.4 lbs (.7 kg)
SPC **35939-02**	Fork with 15/16" (2.4 cm) opening	9" (22.9 cm)	1.4 lbs (.7 kg)

NAPA ServiceTools

PNEUMATIC TIE ROD/BALL-JOINT SEPARATOR KIT



The versatile 6-in-1 tool is used for separating ball joints, tie rods and pitman arms. Kit consists of three forks and two handles which are used for hammering and other uses with air hammers. All forks are threaded to interchange for either handle. Tie rod separator opening size: 11/16", 15/16" and 1 1/8".

SER **41610**

EVERCRAFT



TIE-ROD SEPARATOR

This powerful tool separates steering tie-rods with 21/32" diameter or smaller attaching studs. Zinc-plated, forged steel construction for durability. Overall Length: 16". **CAUTION: For intended use only.**

BK **776-9065**

NAPA ServiceTools



TIE ROD SEPARATOR

Design keeps tool from bouncing back while replacing worn out tie rods and separating shock absorber links. Heavy-duty separator is drop forged and heat treated for durability. Tie rod separator opening size of 11/16".

SER **18520**

NAPA ServiceTools

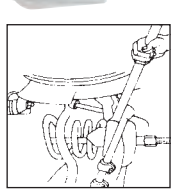


TIE ROD SEPARATOR

This powerful tool separates tie rods. Insert 21/32" opening between parts and strike with hammer to separate. Separator is forged to withstand hard usage. Overall length: 12".

CAUTION: For intended use only.

SER **2288**



Ken-Tool WHEREVER TIRES ARE CHANGED™



SEPARATOR TOOL

Use to remove camber adjustment sleeves on Ford 4 x 2 and 4 x 4 pick-ups. Use as Pitman arm wedge on medium and heavy-duty trucks.

Item No.	Length	Stock	Fork Opening	Weight
SPC **32036**	11" (28 cm)	7/8" (2 cm)	17/16" (4 cm)	1.9 lbs. (.8 kg.)

Ken-Tool WHEREVER TIRES ARE CHANGED™



SHOCK LINK & TIE REM SEPARATOR

Use to separate shock absorber links and tie rods.

Item No.	Length	Stock	Fork Opening	Weight
SPC **32039**	16" (41 cm)	7/8" (2 cm)	5/8" (2 cm)	2.1 lbs. (.9 kg.)

NAPA ServiceTools



BALL JOINT SEPARATOR

Stepped design keeps tool from bouncing back. For use in replacing worn out ball joints and removing CV drive shafts on FWD vehicles. Heavy-duty construction and heat-treated for durability.
Ball joint separator opening size of 15/16".

SER **18530**

Ken-Tool WHEREVER TIRES ARE CHANGED™



PITMAN ARM WEDGE

Removes Pitman arms on cars and light trucks.

Item No.	Length	Stock	Fork Opening	Weight
SPC **32037**	11" (28 cm)	7/8" (2 cm)	11/8" (3 cm)	1.8 lbs. (.8 kg.)

NAPA ServiceTools



BALL JOINT SEPARATOR

Tool separates ball joints from steering knuckles. To use, insert 15/16" opening between parts and strike with hammer. Separator is forged to withstand hard usage. Overall length: 12".

SER **2287**

Ken-Tool WHEREVER TIRES ARE CHANGED™



BALL JOINT SEPARATOR

Use on spindle support arms to remove ball joints without damaging other suspension parts. Services compact cars and light duty trucks.

Item No.	Length	Stock	Fork Opening	Weight
SPC **32040**	16" (41 cm)	7/8" (2 cm)	15/16" (2 cm)	2.8 lbs. (1.2 kg)

EVERCRAFT™



BALL JOINT SEPARATOR

Separates ball joints from steering knuckles. Simply insert 15/16" opening between the two parts and strike with a hammer. Zinc-plated, forged construction for durability. Overall Length: 12".
CAUTION: For intended use only.

BK **776-9066**

NAPA ServiceTools



FORD BALL JOINT CAM TOOL

Easily remove ball joint alignment cams by simply placing prongs of fork under flange of cam and tapping with hammer. Cam is pulled from tapered seat and can be rotated for alignment, adjustment or replacement. Fork opening: 13/8".
CAUTION: For intended use only.

SER **3316**

NAPA ServiceTools



INDEXABLE PICKLE FORK MASTER SET

Indexing feature allows for access in tight areas. Manual or pneumatic hammer attachments add flexibility of tool use. 90° manual hammer position keeps your hand safely out of the way when using tool. Separator is forged steel to withstand hard usage. Set includes two sizes: 15/16" and 21/32" forks.

SER **43990**

NAPA ServiceTools



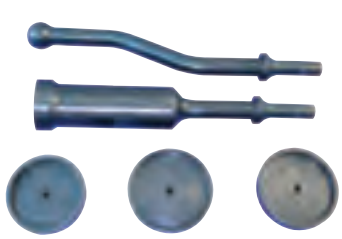
TIE ROD SEPARATOR

Can be adjusted to fit flat, hex and round inner tie rods. Made from forged steel for durability. Hex applications up to 35.5mm. Tie Rod Separator Opening Size: 31mm to 41mm.

SER **3961**

NAPA ServiceTools

HONDA/ACURA AIR HAMMER BALL JOINT INSTALLER/ SEPARATOR KIT



Designed to remove and install lower ball joints on the car versus removing the steering knuckle and using a press. Using an air hammer, the job of removing and installing ball joints is a simple procedure saving one hour per side. Contains: remover, installer rod and three adapters.

SER **68600A**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



BALL JOINT MASTER SERVICE KIT

The majority of vehicles have press-in ball joints and everything required to service these vehicles is laid out in this complete kit. Ball joint application guide is designed to minimize service time by showing diagrams and step-by-step instructions. Complete coverage of car, truck, van and SUV applications. Includes 70-plus adapters, C-frame and application guide. Comes in blow-molded case.

SER **6559**



BALL JOINT INTERMEDIATE KIT

With the majority of cars, trucks, vans and SUVs applications having press-in ball joints and universal joints, this kit is designed to service many of those applications. Ball joint intermediate service kit comes with 20 plus adapters. Comes in a blow-molded carrying case.

SER **6530X**

14 PC. MASTER BALL JOINT ADAPTER SET



For press-fit upper and lower ball joints. Includes receiver tubes and removal/installation adapters that work on most Dodge/Ford/GM two- or four-wheel-drive vehicles through 1997. Set also includes live center forcing screw plug, application chart and plastic storage/carrying case. Sizes vary in length from 1/2" to 3 3/16", 15/16" To 2 5/8" I.D. and 7/8" to 3 1/16" O.D..

BK **827-5104**



SER **3421**



SER **3421-71**



SER **3421-72**



SER **3421-73**



SER **3421-74**

BALL JOINT/U-JOINT/BRAKE ANCHOR PIN PRESS SET

Kit is designed for the removal and installation of press-fit parts such as ball joints, U-joints and truck brake anchor pins without resorting to makeshift methods. Also great for removing rusted and corroded parts. Includes C-frame press; 2 3/4" I.D. x 3" O.D., 2 1/4" I.D. x 2 1/2" O.D., and 1 3/4" I.D. x 2" O.D. receiver tubes, and adapters.

Item No.	Description
SER **3421**	Ball Joint/U-Joint/Brake Anchor Pin Press Set
SER **3421-71**	Press Yoke
SER **3421-72**	Center Screw
SER **3421-73**	Collar Kit
SER **3421-74**	Sleeve Kit



FOUR-WHEEL DRIVE BALL JOINT ADAPTER KIT

Use in conjunction with *SER* **3421** Ball Joint/U-Joint/ Anchor Pin Press Set to remove and install upper and lower ball joints on Dana 44 front axles. Applications: 1967 and newer 1/2- and 3/4-ton 4WD Ford, GM, Dodge, IHC and Jeep vehicles.

SER **3478**

DODGE RAM/JEEP BALL JOINT ADAPTER SET



Use in conjunction with *SER* **3421** Ball Joint/U-Joint/Anchor Pin Press Set to remove and install both original equipment and after-market upper and lower ball joints, including offset type used to change caster and camber. Applications: 1994 and newer Dodge Ram 1/2 ton 4WD pickup; and the following Jeep vehicles: 1984 and newer "downsized" Wagoneer and 4WD Cherokee and Comanche; 1987 and newer Wrangler; 1990 and newer Renegade; 1993 and newer Grand Cherokee.

SER **3479**

FORD E-VAN BALL JOINT ADAPTER



Use in conjunction with *SER* **3421** Ball Joint/U-Joint/ Anchor Pin Press Set to remove lower ball joints on Ford vans. Applications: 1992 and newer Ford E-250 and E-350 3/4- and 1-ton full size vans.

SER **3480**

BALL JOINT ADAPTER SET



Removes or installs lower ball joint without removing the wheel knuckle. Set of four adapters easily removes the ball joint from the control arm and presses in a new one, without damaging the stud or dust boot. For use on 2006-96 Ford Taurus, 2002-95 Lincoln Continental and 2005-96 Mercury Sable. Use with NAPA Ball Joint Press Set, *SER* **3421**.

SER **77-4040**

BALL JOINT SPANNER WRENCH



Designed for the removal and installation of ball joint adjusting sleeves on 1/2-, 3/4- and one-ton Dana 44, open-yoke front axles, found on Chrysler/Ford/GM/International/Jeep four-wheel-drive vehicles. Permits easy torquing with a one-inch socket for correct upper ball joint preload. Made from alloy steel for ruggedness and long life.

BK **700-2467**

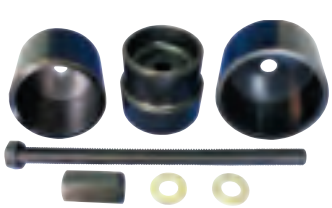
UPPER CONTROL ARM KNOCKOUT TOOL



Removes upper control arm alignment bracket inserts on 1989-current Chevrolet/GMC, 1/2-, 3/4-, and one-ton two- or four-wheel-drive trucks. Also works on 1990-current Astro/Safari all-wheel-drive vans. Improved design features self-centering knockout for full punch removal with less tear. Made from alloy steel for ruggedness and long life.

BK **700-2463**

HONDA/ACURA FRONT COMPLIANCE CONTROL ARM BUSHING REMOVER



Designed to aid in the removal of the front lower control arm compliance bushings — both 65mm and 74mm sizes — found on many Honda and Acura vehicles. Cuts an hour off the job and the use of a press is not required.

SER **68100**

HONDA/ACURA BUSHING X-TRACTOR



Removal and installation tool has been updated with an adapter ring to fit between the cup and bushing for Acura Integras 1993–90. No need to remove the trailing arm from the vehicle and use a hydraulic press. No need to disconnect brake parts. *SER* **65130** works on: Honda; Civic 2000-88, CRV 2001-97, CRX 1991-88, Del Sol 1997–93, Acura; Integra 2001-94, Integra 1993–90.

SER **65130**

STRUTTAMER™ EXTREME SPRING COMPRESSOR

The most effective compressor for virtually any straight, conical or offset spring. Extreme-duty design handles the heavier springs on mid- and some full-size truck strut assemblies. Frame includes cross bracing at arm mount locations, eliminating flexing when compressing heavier springs. Gearbox allows for a 2:1 torque increase when compressing struts. Arms adjust in/out and up/down to accommodate many different spring sizes (2 1/2- to 10-inch diameter; 2 1/2- to 24-inch vertical stroke). Lock-rings hold arms in position, preventing spreading or sliding when compressing offset/unique strut configurations. Four-point locking jaws securely hold spring in place. Open-end design allows struts to be taken in and out with ease. Extra-long, three-bar handle provides necessary leverage to compress heavier strut springs—no need to change shoes for different size springs. Easy to transport when mounted on optional stand. Bridge Accessory (*BK* **700-2694**) included for use on springs that cannot be compressed enough to remove the retaining nut. Optional Stand (*BK* **827-3591**) features steel frame construction with two wheels.



BK **827-3592**



BK **827-3593**

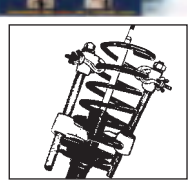
BK **700-2694**

BK **827-3591**

Item No.	Description
BK **827-3593**	w/Stand
BK **827-3592**	Wall Mount
BK **700-2694**	Bridge Accessory
BK **827-3591**	Floor Stand

MACPHERSON STRUT COIL SPRING COMPRESSOR SET





Compressor works on most MacPherson Strut assemblies and is for use with replacements. Use the compressor when replacing bent strut or strut tube and damaged spindles. Use it on or off the car. Acme threaded screw for durability. Do not use on General Motors "A", "C", "J", or "X" body cars. 7 lbs. (3.1 kg.)

SPC **39730**

OTC

CLAMSHELL MACPHERSON STRUT SPRING COMPRESSOR



Compresses springs with 4" to 9" outer diameter and 7/16" to 11/16" wire diameter, without the inconvenience of adapter shoes. Jaws are held in place by locking pins. Can be used with impact wrenches.

BK **827-1055**

EVERCRAFT

MACPHERSON STRUT SPRING COMPRESSOR



Compresses coil springs when replacing shock absorbers and spring sets, allowing technician to repair bent struts and damaged spindles. The 5/8", ACME threaded rod provides secure and safe operation. Not for use on GM A-/C-/J-/X-body vehicles.

BK **776-9091**

EVERCRAFT

UNIVERSAL SHOCK NUT TOOL SET



Easily removes and installs shock nuts on most vehicles. Includes shock nut socket and 2 stem tools to accommodate three different sizes of stems.

BK **776-9239**

EVERCRAFT

GAS SHOCK ABSORBER SOCKET



3/8" Drive. Applications: GM X and J Body vehicles with 6.1mm x 8mm Double D stem shock absorbers.

BK **776-9240**

EVERCRAFT

UNIVERSAL STRUT NUT REMOVER



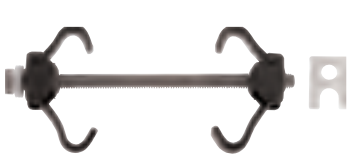
Removes top nut on most MacPherson struts. 3/8" Drive.

- 3/4" Adapter
- 6.5mm Hex & Double D
- 7.5mm Hex & Double D
- T-50 Star
- 10mm Internal Hex x Double D

BK **776-9245**

NAPA ServiceTools

COIL SPRING COMPRESSOR



Use tool to remove and install automotive coil springs up to 5 5/8" outside diameter. Designed to grasp a spring with a maximum 3/4" wire diameter. Can be used on straight or curved springs. Forged alloy steel arms hug contour of helix.

CAUTION: Read all instructions carefully before using this tool. For intended use only. Do not use with power tools.

SER **3450**

EVERCRAFT

COIL SPRING COMPRESSOR



Compresses coil springs when replacing shock absorbers or spring sets on most passenger cars and light trucks. Drop-forged steel jaws with hardened, alloy-steel center bolts. For use with 1/2" drive ratchets and 1 5/16" wrenches.

BK **776-9092**

NAPA ServiceTools

COIL SPRING COMPRESSOR CLIP



Replacement clip used for shock replacement and other suspension repairs.

SER **3450-71**

OTC

U-JOINT REMOVAL TOOL



Handles even the most stubborn u-joints with ease! Removes drive shaft assembly from vehicle and presses u-joint bearing assembly from drive shaft. Can be used with 1/2" drive impact wrenches for speed and at different angles in close quarters. Works on most Dana and Rockwell u-joints. For light-/medium-duty use only.

BK **700-2106**

NAPA ServiceTools

PNEUMATIC U-JOINT DRIVER



Quickly removes u-joint cap from drive shaft on most rear wheel drive vehicles. Use with an air hammer to remove u-joint caps up to 1 5/16" in diameter. Prevents damage to drive and axle shaft ears when presses or chisels are used. On some vehicles, the u-joint is retained with plastic from the factory and must be removed before driving out u-joint caps.

SER **77-4019**

NAPA ServiceTools

CV JOINT BOOT CLAMP BANDING TOOL



For all Band-It® and Band-It Jr.® style clamps. Easily disengaged from the band after the band is tightened.

SER **30950**

NAPA ServiceTools

3 PC. CV BOOT SERVICE KIT



Complete kit for installing and removing CV boot bands without damage to CV boot.

Includes

- Patented 45° cutter which removes old bands without boot damage
- Band tightening wrench with built in cutter that works by hand or with 1/2" Dr. ratchets
- High leverage designed boot clamp tool works by hand or 1/2" drive ratchets.

SER **3954**

NAPA ServiceTools



CV BOOT CLAMP TOOL
Allows proper installation of CV boot. Crimps joints with center pushing feature. High-leverage design works by hand or 1/2" dr. ratchet.

SER **3955**

NAPA ServiceTools



45-DEGREE CV BOOT BAND CUTTER
Removes old CV bands without damage to boot. Features 45° offset for superior access. Patented hardened cutting edge produces cleaner cuts.

SER **3956**

EVERCRAFT



CV BOOT CLAMP PLIERS
For removal of notch-type boot clamps from CV joints.

BK **776-9238**

EVERCRAFT



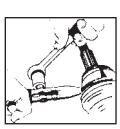
EAR-TYPE CV JOINT BOOT CLAMP PLIERS
Allows for proper installation of CV boot. Designed to flatten crimp joints with center pushing action. For easy installation of Perma-Quick type clamps on fuel filters, water pumps, cooling hoses and CV boot clamps.

BK **776-9244**

NAPA ServiceTools



CV JOINT BOOT CLAMP TIGHTENING WRENCH
Use wrench to securely fasten Band-It® style free end clamps, roll band and clips or Band-It Jr.® style pre-formed CV Boot Clamps. The tool is used by turning the winding mandrel with a 1/2" socket or wrench. The mandrel tightens the clamp, holding it in place until the ears of the clamp are folded down.



SER **3191**

NAPA ServiceTools

SAE & METRIC CLUTCH ALIGNMENT KIT
Aligns single disc clutches on domestic and imported cars, light trucks, and tractors.

SER **41810**

Contents

Qty.	Description
2	Driver Bars
3	Cones
12	Bushings



NAPA ServiceTools



CLUTCH ALIGNING SET
Align single disc clutches on American and imported cars, light trucks and tractors. Adapter fits through clutch plate and into pilot bushing or bearing. Tapered cone fits into clutch hole and aligns clutch plate properly. Set includes shaft and 8 two-stepped pilot bearing adapters covering 16 sizes. The plate aligning cone has 1 1/8" maximum diameter taper.

SER **2420**

Contents

Description	Sizes
Pilot Bushing Cone Taper	0.734" to 1.17" (18.64mm to 29.72mm)
Zinc Adapters for Import	0.472" and 0.500" (12mm and 12.7mm), 0.622" and 0.641" (15.8mm and 16mm), 0.688" and 0.710" (17.4mm and 18mm), 0.826" and 0.875" (21mm and 22.2mm)
Black Adapters for Domestic	0.561" and 0.590" (14.2mm and 15mm), 0.749" and 0.787" (19mm and 20mm), 0.812" and 0.874" (20.6mm and 22.2mm), 0.984" and 1.181" (25mm and 30mm)

EVERCRAFT



CLUTCH ALIGNMENT TOOL
Aligns clutch plates and pilot bearings accurately.
SAE Clutch Alignment Tool: Shaft and bushings to fit 8 pilot bearings.
SAE Adapter Sizes: .0587", .65", .673", .748", .787", .807" and .981". Alignment cone with 1" and 1 1/8" diameter fits most clutch plates. Tapered cone for all other sizes.
Metric Clutch Alignment Tool: Shaft and bushings to fit 10 pilot bearings.
Metric Adapter Sizes: 12, 12.6, 14, 15, 15.8, 16, 17, 18, 19 and 20mm. Alignment cone with graduated diameters fit most clutch plates. Tapered cone for all other sizes.

BK **776-9257** SAE Clutch Alignment Tool
BK **776-9258** Metric Clutch Alignment Tool

OTC



SPICER® CLUTCH-ADJUSTING WRENCH
Easy-to-use, clutch-adjusting wrench solves the difficult, time-consuming job of internal adjustment on Spicer® angle-spring and multi-lever clutches. Found on nearly 50% of all heavy-duty trucks, these clutches previously had to be adjusted using a pry bar or other makeshift method, often resulting in damaged parts.

BK **700-2236**

EVERCRAFT



GM TRANSMISSION SEAL TOOL
Removes and installs transmission shift selector shaft seal without draining fluid. 2-Piece tool.

BK **776-9250**

OTC



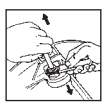
TRUCK CLUTCH ADJUSTMENT GAUGE SET

Two-gauge set ensures correct adjustment for proper clutch operation on manual and self-adjusting, pull-type heavy-duty clutches. One gauge checks 1/8" clutch pedal free play between yoke and bearing wear pad. The other verifies 1/2" release travel between release bearing and transmission bearing cap.

BK **700-2083**

NAPA ServiceTools





HYDRAULIC CLUTCH QUICK-DISCONNECT TOOL

This tool is used to release fingers that hold clutch line to the clutch sleeve cylinders. Works on hard to access couplings found on Ford light-duty trucks, Bronco II, Ranger, Explorer and 1989 to current Thunderbird and Cougar vehicles with hydraulic clutch. Will also work on the following vehicles with hydraulic clutch; 1993 to current Pontiac Grand Prix, Oldsmobile Cutlass Supreme, Buick Regal; 1994-93 Chevy Lumina; and 1995 to current Chevrolet Monte Carlo.

SER **3413**

EVERCRAFT



FORD HYDRAULIC CLUTCH LINE DISCONNECT TOOL

2-in-1 disconnect tool for removing clutch lines from slave cylinder during clutch master cylinder, slave cylinder or clutch assembly service. Application for manual transmission: 1990-88 Ford Bronco II, 1994-91 Ford Explorer, 2004-89 Ford Ranger, 1997-89 Ford Thunderbird and Mercury Cougar.

BK **776-9142**

EVERCRAFT



GM HYDRAULIC CLUTCH LINE DISCONNECT TOOL

Removes clutch lines from slave cylinders during clutch master cylinder, slave cylinder or clutch assembly service. Bent end applications: NVG3500 manual transmissions on 1966-current full-size 2WD and 4WD trucks, S-10s, and S-15 Blazers/Jimmys. Straight end applications: 1993-current Pontiac Grand Prix, Olds Cutlass Supreme, Buick Regal; 1994-93 Chevy Lumina; and 1995-current Chevrolet Monte Carlo.

BK **776-9246**

NAPA ServiceTools



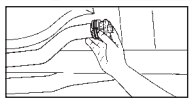
EXHAUST & TAILPIPE EXPANDERS

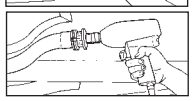
Flare, shape and expand tailpipes to ensure a tight fit and prevent exhaust leaks. Turn handle to adjust the expander to the diameter of the pipe. Place on the end of the pipe and drive with a hammer. Remove tool and readjust, but do not adjust while tool is in pipe. Repeat hammering until desired shape and size are reached.

SER **2070** 1 7/16" to 2" (36.5mm to 50mm) Pipe Size
SER **2071** 1 13/16" to 2 1/2" (46mm to 63.5mm) Pipe Size

NAPA ServiceTools







HEAVY-DUTY TAILPIPE EXPANDERS

These tools are used to remove clamp grooves and round out crushed or bent exhaust pipes to ensure a tight fit, eliminating exhaust leaks. The hex end allows for the use of a combination wrench to remove clamp grooves or small imperfections or an impact wrench to expand pipes. Imperfections are forced outward rather than forward, eliminating possible damage to component parts. No holding fixture is necessary. 1 5/8" to 2 7/16" (41.3 to 61.9mm).

SER **3441**

EVERCRAFT



TAILPIPE EXPANDERS

Shape and expand tailpipes to remove clamp grooves that ensure a tight fit and prevent exhaust leaks.

Instructions:

1. Insert tool into pipe end
2. Turn handle to adjust the expander to the diameter of the pipe.
3. Use combination wrench to remove small imperfections in pipe.
4. Use impact wrench to expand pipes
5. Imperfections are forced outward instead of forward, eliminating damage to component parts.

BK **776-9210** 1 1/2" to 2 7/16" dia.
BK **776-9211** 2 1/8" to 3 7/16" dia.

NAPA ServiceTools



EXHAUST PIPE CUTTER

For use cutting pipes 3/4" to 3" in diameter. Fifteen blades effectively cut pipe in 1/4-turn. Patented tool works in hard-to-reach areas. Will not cut double-wall pipes.

Not for use on stainless steel.

SER **2031**

NAPA ServiceTools

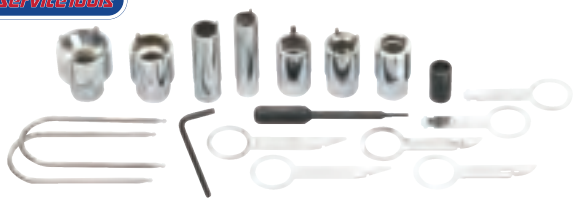


EXHAUST HANGER STRETCHERS

Specially designed tool for removal of rubber exhaust system hangers on tailpipes, exhaust pipes and mufflers. Features self-locating forcing pin and cushioned slip-resistant handles at 25° offset for easy access in restricted areas.

SER **436**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



RADIO REMOVAL KIT W/ ANTENNA WRENCHES

Kit includes the tools needed to remove the radio from the dash on many domestic and import vehicles without damage to the radio or the dash panel. Antenna nut sockets fit over antennas and down into deep well locations.

SER **41680**

Contents

Item No.	Description
SER **3913**	Radio Removal Tool: U-Hooks
SER **3914**	Key Set: European Vehicles, BMW, VW, Mercedes Benz, Audi
SER **3915**	Antenna Nut Socket Set: For many USA and Asian Imports

EVERCRAFT

FORD RADIO REMOVAL TOOLS

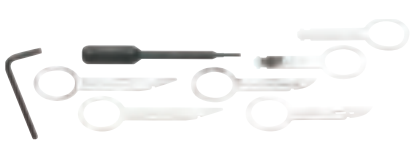
Tools enable fast, damage-free radio removal. Simply insert tools into radio faceplate holes, release retaining clips and use tools as handles to remove radio from instrument panel.

BK **776-9098**



Applications

Year	Model	Year	Model
1990-Current	Bronco II/Ranger	1990-Current	Mark VII
1989-Current	Continental	1987-Current	Mustang
1990-Current	Cougar/ Thunderbird	1990-Current	Probe
		1988-Current	Tempo/Topaz
1990-Current	Crown Victoria/ Grand Marquis	1990-Current	Town Car
		1990-Current	Sable/Taurus



RADIO REMOVAL KEYS

For New VW Beetle, Audi, Mercedes Benz, VW, Allen® Hex Wrench for BMW, Special Pentagon Pin for BMW.

SER **3914**



ANTENNA NUT SOCKETS

Cover most import and domestic antenna nuts that require removal over the antenna stem. Also for recessed mounted nuts.

SER **3915**



GM AIR BAG RELEASE TOOL

Easily releases retention springs on Supplemental Inflatable Restraint (SIR) module. Unlike other release products, this tool is heat-treated to resist bending on truck retention springs. Tapered tips for easier removal. For use on GM cars, light trucks and minivans.

SER **77-4010**



MECHANIC'S STETHOSCOPE

This 18" stethoscope locates the source of engine noise quickly and identifies piston slaps, worn gears, faulty valves, water pump failure, damaged gaskets and defective bearings. Features shock resistant handle. Wand Length: 18"

SER **835**

EVERCRAFT



MECHANIC'S STETHOSCOPE

Assists with locating mechanical problems in engines and other types of machinery. Allows technician to listen for flow in hoses and tubing. Probe included.

BK **776-9060**

STEELMAN



PRO 16 IN. BEND-A-LIGHT® FLEXIBLE LIGHT

Amazing brightness from a tiny bulb! High-intensity, 3/16" bulb and 10" brass, flexible shaft. Powered by two AA batteries (included).

Item No.	Description
BK **700-1852**	16 In. Bend-A-Light®
BK **700-1853**	Replacement Bulb
BK **700-1854**	Replacement Switch

STEELMAN



MINI-PRO 5 IN. BEND-A-LIGHT® FLEXIBLE LIGHT

For lighting hard-to-reach areas. High-intensity 3/16" bulb, five-inch brass flexible shaft and pocket clip.

BK **700-1851** 5 In. Bend-A-Light®
BK **700-1853** Replacement Bulb

STEELMAN



LIGHTED 24 IN. INSPECTION MIRROR

90° Adjustable mirror, flexible shaft with swivel head allows visual inspection behind objects and around corners. Thumb wheel controls mirror angle. Built-in light floods work area for better visibility. Mirror Dimensions: 1½" x 2½".

BK **700-1858**

STEELMAN



LIGHTED 18 IN. INSPECTION MIRROR
Flexible shaft and swivel-head to see behind objects and around corners. Mirror Dimensions: 1.5" x 2.5".
BK **700-1857**

NAPA ServiceTools



LIGHTED INSPECTION MIRROR
Lighted head with 3-LED lights illuminates dark areas for perfect reflection. Strong and lightweight stainless steel handle features textured cushion grip to keep handle secure in wet or oily hands. Telescopes from 6¾" to 30¼". Rectangular mirror is 2¼" x 3½".
SER **HTK-2LT**

NAPA ServiceTools



STAINLESS STEEL INSPECTION MIRROR
LED Light illuminates dark areas for the perfect reflection. 2⅜" mirror is strong, lightweight and reaches 6½" to 36⅜". Textured cushion grip keeps handle secure in wet or oily hands.
SER **HTC-2LT**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

NAPA ServiceTools



RECTANGULAR TELESCOPIC INSPECTION MIRROR
Telescoping rectangular inspection mirror features a swivel-free antenna and a rectangular head. Includes a quick-tab release tab at the top of the head to easily replace the mirror. An all-angle ball joint holds the mirror head firmly at any angle. The stainless steel handle is long, strong and lightweight and provides users the ability to easily adjust the length. Heavy-duty grip will not slip in wet or oily hands. Mirror Size: 2⁹⁄₁₆" x 3¾". Length: 6¾" - 29¾".
SER **HTK-2**

NAPA ServiceTools



TELESCOPING INSPECTION MIRROR
Inspect hidden areas with rectangular mirror that swivels to almost any position and has a comfortable vinyl grip. Telescopes from 11¼" to 15¼". Rectangular mirror is 2⅛" x 3½".
SER **2108**

NAPA ServiceTools



TELESCOPING INSPECTION MIRROR
Inspect hidden areas with the 2¼" diameter mirror that swivels to almost any position and has a comfortable vinyl grip. Telescopes from 10" to 14".
SER **2109**

NAPA ServiceTools



TELESCOPING INSPECTION MIRROR
Clear glass 2¼" dia. mirror for perfect reflection and firmly holds mirror for 360° viewing. Strong and lightweight stainless steel handle features textured cushion grip to keep handle secure in wet or oily hands. Telescopes from 6½" to 36⅜".
SER **HTC-2**

NAPA ServiceTools



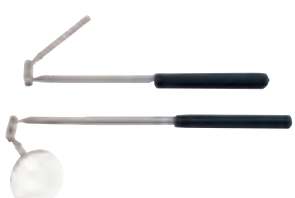
TELESCOPIC MAGNIFYING MIRROR
Perfect for inspecting hidden areas, the 1¼" mirror swivels to almost any position. Telescopes from 7½" to 27¼".
SER **2840**

EVERCRAFT



INSPECTION MIRROR
1-Inch mirror allows viewing of hard to see places. 6" to 26" Telescoping section for custom lengths of hard-to-reach areas. Comfort handle.
BK **776-9218**

EVERCRAFT

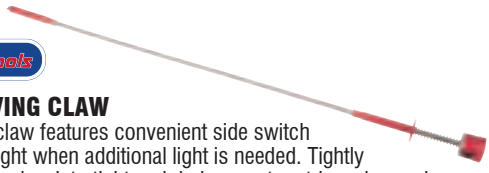


2 PC. MAGNETIC RETRIEVING TOOL & MIRROR SET
Both pieces extend from 7" to 13" and feature swivel-head connections for easy adjustment.
BK **776-9058**

NAPA ServiceTools



LED FLEXIBLE SPRING CLAW WITH MAGNET
LED flexible magnetic spring claw has convenient side switch to turn the high intensity LED on and off as needed. Press the plunger and magnetic jaws open / release plunger and magnetic jaws clamp shut. Powerful magnet lifts up to 5 lbs. Tightly wound spring snakes into tight areas to retrieve ferrous or non-ferrous objects. Includes (2) CR2032 batteries. Length: 25⅜"
SER **16MLT**



LED RETRIEVING CLAW
Flexible spring claw features convenient side switch for bright LED light when additional light is needed. Tightly wound spring snakes into tight and dark areas to retrieve dropped objects weighing up to 2 lbs. Press plunger to open jaws and release to clamp jaws shut. Two lithium batteries included. Length: 25 3/8".

SER **16LT**



TELESCOPING MAGNETIC RETRIEVING TOOL
Tool extends from 16 3/4" to 26 1/2" to pick up hard-to-reach ferrous metal parts and tools. Features a comfortable vinyl grip and the ½" dia. magnet end rotates to any position. Lifting capacity of 16 oz.

SER **2281**

EVERCRAFT

LIGHTED RETRIEVING TOOL W/ MIRROR SET
Contents



LED Telescopic tool with 1 lb. magnetic pick-up; Telescopic magnetic pick-up tool, 8 lbs. Telescopic tools: 6" retracted, 26" Extended. 3 inspection mirrors: 7/8", 1 1/4", 1 1/2". Storage case with EVA foam liner included.

BK **776-9214**



MEGA MAG® MAGNETIC RETRIEVING TOOL
Tool features a neodymium iron-boron high flux magnet for maximum strength. Goblet-shaped head shields sides of magnet from attaching to unwanted metal surfaces. Stainless steel handle with textured cushion grip ensure tool will not slip in wet or oily hands. Lifts 16 lbs. and telescopes from 8 1/4" to 30 1/4".

SER **GM-2**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



POCKET TELESCOPIC RETRIEVING TOOL W/POWERCAP®
- POWERCAP® slides over the magnet and shields its sides from attaching to unwanted metal surfaces
- Stainless steel handle
- Textured cushion grip will not slip in wet or oily hands
- Lifts 2½ lbs. and telescopes from 5½" to 25½"

SER **HT-5**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



MAGNETIC RETRIEVING TOOL
Retrieve small, ferrous metal parts easily. Nickel-plated tool has a powerful, permanent magnet (and an easy-grip knurled handle). Shaft flexes to go around corners. Length: 18". Magnet Diameter: 1/2".

SER **1711**

EVERCRAFT



PICK UP TOOL W/ MAGNET & CLAW
25" long. Spring loaded claw with 1 lb. magnet.

BK **776-9202**



TELESCOPING MAGNETIC RETRIEVING TOOL
Tool extends up to 25 9/16" to pick up hard-to-reach ferrous metal parts or tools up to 1 1/2 lbs. Pocket clip included.

SER **2593**



MAGNETIC RETRIEVING TOOL W/ PENLIGHT
Just turn the aluminum head clockwise to turn on the bright LED light and illuminate dark areas. Handle telescopes from 7 3/16" to 27 3/16" and stores in heavy-duty aluminum case. Strong magnet lifts 5 lbs. Combines two very popular tools that fit in your pocket.

SER **PLP-2**

EVERCRAFT



BK **776-9215**



BK **776-9216**



BK **776-9217**

MAGNETIC RETRIEVING TOOLS
Extended: 26". Retracted: 6". Comfort handle.

Item No.	Description
BK **776-9215**	1 lb. Magnetic Retrieving Tool
BK **776-9216**	8 lb. Magnetic Retrieving Tool
BK **776-9217**	1 lb. Lighted Magnetic Retrieving Tool



ON/OFF MAGNETIC RETRIEVING TOOL
This 22"-long flexible retrieving tool is able to lift 1 1/2 lbs. The spring-operated magnet will not stick to metal areas until activated, which is achieved by simply pushing the plunger. Tool is flexible for snaking through difficult areas.

SER **3437**

NAPA ServiceTools





FLEXIBLE RETRIEVING TOOL
Retrieve small objects from hard-to-reach places. Push the button to open the claws and release to grab. Flexible Shaft Length: 23".

SER **2391**



POSI LOCK PULLER, INC.

PULLER SET W/ TIPS
Set contains four popular pullers and tips.

POL **PM4**

Contents

Item No.	Top Rating	Reach	Spread Range
POL **104C**	5-Ton	4"	1/2" – 5"
POL **106**	10-Ton	6"	1/2" – 7"
POL **110**	20-Ton	9 2/3"	1" – 15"
POL **206**	6-Ton	6"	1/2" – 7"



POSI LOCK PULLER, INC.

PULLER SET
Offers same features as the larger manual pullers. This smaller set allows for the removal of bearings and gears on boat motors, starters, alternators, lawn mowers and more.

POL **PMW**

Contents

Item No.	Top Rating	Reach	Spread Range
POL **102**	1-Ton	2.25"	1/4" – 3 1/4"
POL **103C**	2-Ton	3"	1/4" – 4 1/2"
POL **202**	1-Ton	2.25"	1/4" – 3 1/4"
POL **203**	2-Ton	3"	1/4" – 4 1/2"

EVERCRAFT



REVERSIBLE 8-WAY 2- & 3-JAW PULLERS
Can be assembled to make either a two- or three-jaw puller when additional stability is needed. Reversible jaw design for added versatility, and broader range of capabilities. Forged steel body and arms, steel black oxide center screw with ACME threads. Ideal for pulling gears, bearings, pulleys and other press-fit parts.

BK **776-3906** 3 3/8" Reach, 5 1/2" Spread. Capacity: 2 Tons
BK **776-3908** 5 1/2" Reach, 7" Spread. Capacity: 5 Tons



EVERCRAFT

REVERSIBLE 4-WAY/2-JAW PULLER
Can be assembled with standard or long-reach for maximum versatility. Reversible jaw for performing internal or external pulling jobs. Ideal for pulling smaller gears, bearings, pulleys and other press-fit parts. Maximum Reach: 3 3/8". Maximum Spread: 4". Capacity: 2 tons.

BK **776-3905**

POSI LOCK PULLER, INC.

PULLERS
The patented safety Cage guides the jaws for fast setup. Features solid contact and superior safety. Slim, tapered jaws for easier gripping and better access in tight spots. The T-handle locks jaws precisely where you set them. In new clamshell packaging.



POL **102**



POL **202**

Item No.	Top Rating	Puller Reach	Puller Spread Range	Max Torque
3-Jaw				
POL **102**	1-Ton	2.25"	1/4" – 3 1/4"	—
POL **103C**	2-Ton	3"	1/4" – 4 1/2"	—
POL **104C**	5-Ton	4"	1/2" – 5"	40 ft-lbs
POL **106**	10-Ton	6"	1/2" – 7"	130 ft-lbs
POL **108**	17-Ton	8"	3/4" – 12"	220 ft-lbs
POL **110**	20-Ton	9 2/3"	1" – 15"	275 ft-lbs
POL **113**	30-Ton	12"	2 1/2" – 18"	600 ft-lbs
POL **116**	40-Ton	14"	3" – 25"	850 ft-lbs
2-Jaw				
POL **202**	1-Ton	2.25"	1/4" – 3 1/4"	—
POL **203**	2-Ton	3"	1/4" – 4 1/2"	—
POL **204**	2-Ton	4"	1/2" – 5"	20 ft-lbs
POL **206**	6-Ton	6"	1/2" – 7"	75 ft-lbs
POL **208**	12-Ton	8"	3/4" – 12"	150 ft-lbs
POL **210**	14-Ton	9 2/3"	1" – 15"	175 ft-lbs
POL **213**	25-Ton	12"	2 1/2" – 18"	475 ft-lbs
POL **216**	35-Ton	14"	3" – 25"	800 ft-lbs



COMBINATION 2- & 3-JAW REVERSIBLE INTERNAL/EXTERNAL PULLERS

Pullers forged from quality heat-treated steel and rigorous testing exceeds rated capacity.

Specifications

Item No.	Max. Ton	Max. Reach	Screw Spread	Screw Size	Thickness Length	Width Upper/ Lower	Tip Protectors Upper/ Lower	Weight	Pack Style
SER **3561**	2	3 1/2"	5"	3/8" x 24 TPI	4 7/8"	3/16"-1/8"	5/16"-1/2"	1 lb., 5 oz.	Plastic Box
SER **3562**	5	5 3/4"	8"	9/16" x 20 TPI	7"	1/4"-5/16"	3/8"-3/4"	2 lbs., 12 oz.	Plastic Box
SER **3563**	7	5"	9"	11/16" x 18 TPI	7 5/8"	3/8"-3/8"	1"-1"	6 lbs., 2 oz.	Plastic Box

Item No.	Description
SER **3562-74**	Replacement Yoke for *SER* **3562**
SER **3563-74**	Replacement Yoke for *SER* **3563**



COMBINATION 2-JAW REVERSIBLE INTERNAL/EXTERNAL PULLERS

Pullers forged from quality heat-treated steel and rigorous testing exceeds rated capacity.

Specifications

Item No.	Max. Ton	Max. Reach	Screw Spread	Screw Size	Thickness Length	Width Upper/ Lower	Tip Protectors Upper/ Lower	Weight	Pack Style	Puller Center Screw Size	Center Screw	Thread Length
SER **3551**	2	3 1/2"	5"	3/8" x 24 TPI	4 7/8"	3/16"-1/8"	5/16"-1/2"	14 oz.	Pouch	3/8" x 24 TPI	5" OAL	3 1/2"
SER **3552**	5	5 3/4"	8"	9/16" x 20 TPI	7"	1/4"-5/16"	3/8"-3/4"	1 lb., 12 oz.	Pouch	9/16" x 20 TPI	7" OAL	5 1/2"
SER **3553**	7	9"	5"	11/16" x 18 TPI	7 5/8"	3/8"-3/8"	1"-1"	4 lbs., 8 oz.	Pouch	11/16" x 18 TPI	9" OAL	7 1/2"

Item No	Description
SER **3552-71**	Replacement Jaw Assembly for *SER* **3552**
SER **3552-72**	Replacement Center Screw for *SER* **3552**
SER **3552-73**	Replacement Screw Link for *SER* **3552**
SER **3553-71**	Replacement Jaw Assembly for *SER* **3553**
SER **3553-73**	Replacement Screw Link for *SER* **3553**



2-JAW TRANSMISSION BEARING PULLER

Allows transmission bearing removal in minutes.
Puller reach: 9 1/4". Puller spread range: 2 3/4" – 14 3/4".
POL **TJ1**



PULLER CAGE

Puller cage for Internal Puller.
POL **361903**

REPLACEMENT JAW SET



Set of replacement jaws for *POL* **108** and *POL* **208** Transmission Puller and *POL* **110** and *POL* **210** Manual Puller.

POL **361605**

REPLACEMENT JAWS



Item No.	Fits Model
POL **361301**	*POL* **104C** and *POL* **204**
POL **361401**	*POL* **106** and *POL* **206**
POL **361601**	*POL* **110** and *POL* **210** (Long Jaw for *POL* **108** and *POL* **208**)
POL **361901**	*POL* **105**
POL **361902**	Long Jaw for *POL* **105**

SLIDE ROD



Slide rod for the *POL* **105** Internal Puller.

POL **362105**

PULLER TIP PROTECTORS



Acts as a live center and reduces damage to the tip of the center bolt. Length: 1".

Item No.	Fits Model
POL **361372**	*POL* **104C** and *POL* **204**
POL **361472**	*POL* **106** and *POL* **206**
POL **361572**	*POL* **108**, *POL* **208**, *POL* **110** and *POL* **210**
POL **361772**	*POL* **113**, *POL* **213**, *POL* **116** and *POL* **216**

PULLER BOLT EXTENDERS



Acts as a live center and reduces damage to the top of the center bolt while giving an additional reach of 1½".

Item No.	Fits Model
POL **361305**	*POL* **104C** and *POL* **204**
POL **361406**	*POL* **106** and *POL* **206**
POL **361510**	*POL* **108**, *POL* **110**, *POL* **208** and *POL* **210**

PULLER CENTER BOLTS



Replacement for broken or worn center bolt.

Item No.	Fits Model
POL **361304**	*POL* **104C** and *POL* **204**
POL **361404**	*POL* **106** and *POL* **206**
POL **361604**	*POL* **110** and *POL* **210**
POL **361704**	*POL* **113** and *POL* **213**

PULLER JAW HEAD ASSEMBLY

Replacement jaw head assembly for damaged or worn pullers.

Item No.	Fits Model
POL **360302**	*POL* **204**
POL **360602**	*POL* **210**
POL **361302**	*POL* **104C**
POL **361402**	*POL* **106**
POL **361602**	*POL* **110**
POL **361702**	*POL* **113**



REPLACEMENT PINS

Replacement assembly for damaged or broke pins.

Item No.	Fits Model
POL **361303**	*POL* **104C** and *POL* **204**
POL **361403**	*POL* **106** and *POL* **206**
POL **361603**	*POL* **110** and *POL* **210**
POL **361703**	*POL* **113** and *POL* **213**



SLIDE HAMMER

Replacement slide hammer for the *POL* **105** Internal Puller.

POL **362106** 2.5 lbs.
POL **362107** 5 lbs.





BUSHING ADAPTER & DRIVER KIT

Perfect for removing/inserting bushings on cars, trucks, buses, tractors, as well as construction or off-road equipment. Set includes small, medium, large drivers and bushing adapters from ⅜" to 1⅜".

SER **41780**

Contents

Qty.	Description	Qty.	Description
1	Adapter, ⅜"-7/16"	1	Adapter, 15/16"-11/16"
1	Adapter, 7/16"-½"	1	Adapter, 1"-1⅛"
1	Adapter, 15/32"-17/32"	1	Adapter, 1⅛"-1 3/16"
1	Adapter, ½"-⅝"	1	Adapter, 1⅛"-1¼"
1	Adapter, 9/16"-11/16"	1	Adapter, 1 3/16"-15/16"
1	Adapter, ⅝"-11/16"	1	Adapter, 1¼"-1⅜"
1	Adapter, ⅝"-¾"	1	Driver #1
1	Adapter, 11/16"-13/16"	1	Driver #2
1	Adapter, ¾"-⅞"	1	Driver #3
1	Adapter, 13/16"-15/16"	1	Nut, Driver #1
1	Adapter, ⅞"-1"	1	Nut, Driver #2

BUSHING REMOVER & INSTALLER SET



Use sets to remove and insert bushings such as those in cars, trucks, buses, tractors, construction and off-road equipment. Sizes are stamped on each bushing adapter. To use, select proper size adapter and drive bushing into place. Nine pieces. Range: $1\frac{5}{16}$" to $1\frac{3}{4}$".

SER **31430**

INDEXABLE SEAL PULLER



Indexable feature that allows for better access, 5 positions per side, easy spring loaded button to switch positions, dual dipped tacky grip for no-slip use. Indexable seal puller with 11 positions to provide access in tight spaces.

SER **3995**

INTERNAL SLIDE HAMMER PULLER SET



The only internal puller on the market that goes from $\frac{9}{16}$" to $5\frac{1}{4}$" with the long jaws. No twisting or snapping off, as the safety cage locks the jaws securely into place.

Specifications

- Reach: Up to 9" with the long jaws
- Spread Range: $\frac{9}{16}$" to $5\frac{1}{4}$" with the long jaws
- Hammer Weight: 2.5 lbs.

POL **PMI6**

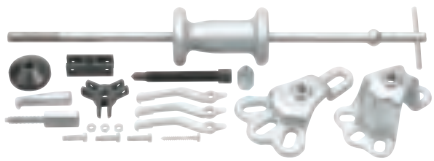
REVERSIBLE-JAW SLIDE HAMMER



Here are two extremely versatile pullers which will accomplish many pulling jobs involving gears, bearings, outer races, grease retainers, oil seals, etc. Either two- or three-puller jaws may be used to handle inside pulling jobs such as bearing cups and outer races, as well as regular outside pulling jobs. In addition to these uses, the basic slide hammer unit can be removed and used independently.

2-Jaw Spread				3-Jaw Spread					
Inside		Outside		Inside		Outside			
Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Thread	Overall Length
$1\frac{1}{4}$"	$3\frac{1}{2}$"	1"	$4\frac{1}{2}$"	$1\frac{1}{2}$"	$4\frac{1}{4}$"	$1\frac{1}{2}$"	$4\frac{1}{2}$"	$\frac{5}{8}$"-18"	27"

Item No.	Description
SER **2256**	Puller with 5 lb. Hammer (not shown), 2-Way and 3-Way Head, 27" long.
SER **2256-72**	Replacement Puller Arm



SLIDE HAMMER PULLER KIT

This kit provides a wide range of puller applications such as: Flange-type axles, oil seals and other press-fit parts. Jaws can be set up for 2- or 3-jaw internal or external pulling jobs. Kit contains shallow flange, deep flange, slide hammer, yokes, bolts and screws.

SER **41700**



SLIDE HAMMER PULLER

May be used with an internal pulling attachment with male or female threaded adapters. Basic slide hammer unit is 24" long with 5 lb. hammer and $\frac{5}{8}$"-18 threaded end. Weight: 7 lbs. 4 oz.

SER **3591**

PULLER KIT



Versatile kit is perfect for interchangeable jobs.

POL **TB1045**

Contents

- *POL* **104C** External Puller
- *POL* **105** Internal Puller
- Tips
- Slide Rod
- 2.5 Lb. Hammer
- Long Jaws

COMBINATION PULLER CENTER SCREW



Center bolt and cone used for wide range of puller applications.

SER **41706**

2-/3-JAW SLIDE HAMMER PULLER SET

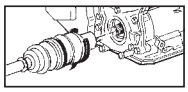


Can be assembled for two- or three-jaw, internal and external pulling jobs. Eases removal of flange-type axles, oil seals, bearings and other press fit parts. Includes internal/external two-jaw, eight-function internal/external three-jaw, rear axle and dent puller. Also includes five-pound heavy-duty hammer, puller hook, special grip wrench adapter and steel carrying case.

BK **776-3911**

INNER CV JOINT PULLER





This tool will pull most CV joints that use a hidden snap ring to hold them in the transaxle. Inner CV joint puller fits slide hammer with 5/8" – 18 threads. Works on GM and some Ford vehicles. Use slide hammers *BK* **770-3804** and *BK* **776-3911**.

SER **3164**

FLANGE-TYPE PULLER COMBINATION SET



Two specialty pullers in one box. Flange-type puller is ideal for removing harmonic balancers, timing gears and other parts with two or three tapped holes. Also includes four sets of cap screws, and pullers for steering wheels, pulleys and flywheels.

BK **827-1053**

MINI UNIVERSAL PULLER KIT



Holds pressed on fan clutch pulleys including single and dual overhead cam sprockets. Includes small and large pin sets that can be interchanged. Adjustment screw for position holding.

SER **41530**

18 PC. 2-IN-1 PULLER SET



Flange-type puller is ideal for removing harmonic balancers, timing gears and other parts with two or three tapped holes. Also includes steering wheel pulley and flywheel puller. Forged steel body and arms, steel black oxide center screw with ACME threads.

BK **776-3902**

REAR AXLE BEARING PULLERS & KIT



Three pullers designed to make the removal of semi-floating rear axle bearings easier on most domestic cars.

Item No.	Description	*SER* **41710** 3 Pc. Kit
SER **41711**	1" x 1 7/8" Puller: Fits minimum bearing tube I.D. of 1" and maximum axle tube I.D. of 1 7/8"	•
SER **41712**	15/16" x 2 3/8" Puller: Fits minimum bearing tube I.D. of 15/16" and maximum axle tube I.D. of 2 3/8"	•
SER **41713**	1 3/8" x 2 7/8" Puller: Fits minimum bearing tube I.D. of 1 3/8" and maximum axle tube I.D. of 2 7/8"	•

3 PC. REAR AXLE BEARING PULLER SET



For removing semi-floating, rear axle bearings. Washer captures bearing firmly. Includes three pullers that fit one- through 2 7/8-inch bearing tube diameters.

BK **825-4011**

FLANGE-TYPE AXLE PULLER



Tool pulls rear axle on American-made cars and 1/2-ton trucks with flange-type axle. Yoke fits axles with 4, 5 or 6 studs in a circle from 4 1/2" to 5 1/2" in diameter. A 5-lb. slide hammer makes removal easy. Slide hammer and yoke are 5/8"-18 UNF thread.

Item No.	Description
SER **2300**	Flange-Type Axle Puller
SER **2300-75**	Replacement Yoke (Compacts) 3 3/4" to 4 1/2" Bolt Circle

FORD & DODGE HUB ASSEMBLY REMOVAL TOOL



Designed for removing the hub assembly from Ford 4-wheel drive pick up trucks when replacing ball joints, without causing damage to the wheel bearings. Enables the technician to drive wheel bearings out from the back of the hub assembly by threading the tool over the hub assembly stud. Threads of the tool match those of the stud so they are not damaged when striking. Includes an adapter for work on Dodge applications.

SER **90100**

22 PC. ADP/OWC ALTERNATOR PULLEY KIT



This 22-piece kit eliminates the need to shop around for the hard to find OWC and OAD tools and reduces service bay downtime that can take a toll on profits. Holds the shaft coming from the alternator to the pulley stationary and allows the pulley to be either spun off or spun on depending on the need. Covers most applications, Audi, Buick, BMW, Cadillac, Chevy, Citroen, Dodge, Fiat, Ford, Honda, Lexus, Mercury, Mercedes-Benz, Pontiac, Saturn, Scion, Toyota, VW. Blow-molded case included.

SER **750**

13 PC. ADP/OWC ALTERNATOR PULLEY KIT



This 13-piece alternator pulley service set is designed to remove or install ADP or OAC alternator pulleys and allows the technician to handle most applications that would be found in the USA. Blow-molded case included.

SER **753**

5 PC. ALTERNATOR PULLEY SERVICE SET



This 5-piece alternator pulley service set is designed to remove or install alternator pulleys for both OWC (one way clutch) and OAD (overrunning alternator decoupler) pulleys. These pulleys are found on most popular North American vehicles.

Contents

- 17mm Hex Pulley Connector
- 33T Spline Pulley Socket
- T50 Shaft Extender
- 10mm Female Hex Extender
- 10mm Triple Square Extender Bit

SER **756**

GM THERMOSTAT WRENCH



Wrench is designed to work on GM 3.1 and 3.4 Liter V6 engines. Unique shape and design allows users to remove and install housings in a fraction of the time it currently takes. Wrench is a 13mm, 12 point.

SER **751**



HUB GRAPPLER

The complete solution for servicing wheel hubs and bearings on the vehicle without removing the steering components or knuckle, eliminating unnecessary alignments or the use of a shop press. Jaws are designed and sized to properly fit hub applications and are quickly located on the puller bar without the use of fasteners. Drive screw coupled with the special equalizer washer provides smooth operation. Proprietary heat-treating extends its life 5-10 times longer than similar designs. Six adapters increase application coverage. Guide is the most comprehensive on the market.

SER **6575X**

HUB CLAMP EXPANDER KIT



For servicing struts, ball joints or steering knuckles with pinch bolt mounts. Removes the most stubborn struts and ball joints with ease. Separator mounts in the pinch bolt holes and drives the anvil into the pinch slot expanding it for easy removal.

SER **6578**

UNIVERSAL HEAVY-DUTY HUB PULLER WITH PLATE



Universal hub puller is the solution to frozen hubs, axle shafts and other tough pulling applications. Adjustable sliding puller legs can be positioned anywhere on the puller center hub for true universal fit on wheel hubs with 5" - 8" bolt circles. Pulling plate allows for quick attachment and an even pull on the popular five bolt hubs with 4" - 5" bolt circles. Forged puller assembly coupled with a 1" drive screw is capable of 20 tons of force. Drive screw is approved for use with an impact gun and can be struck with hammer. Additional puller legs may be added to the center hub for special applications.

SER **6574**

HEAVY-DUTY UNIVERSAL WHEEL HUB PULLER



Use to pull wheel hubs where the bolt circle does not exceed 7½". Tool quickly adjusts to fit any hub, regardless of the number of wheel studs.

SER **2251**

FOUR-WHEEL-DRIVE FRONT HUB PULLER



Removes front hub assembly on most 2000-94 Dodge Rams; 2000-97 Ford Expeditions/trucks; 2000-88 GM SUVs/trucks; and 2001-85 Jeep Cherokees. Ton Rating: ½, ¾, 1.

BK **700-2453**

PULLER HUB ADAPTER SET



Simplifies the removal of many industrial and automotive fans and blower wheels by providing solid connection between the puller and fan hub.

POL **HP2**

Contents

- Small Collar Adapter
- Large Collar Adapter
- Tip Reducer/Extender
- *POL* **104C** 3-Jaw Puller

10-TON CAPACITY PUSH PULLER



Can be used on various bearing and internal pulling attachments. Maximum Reach: 8¼". Spread Range: 2⅛" - 7¼". Center Screw Size: ¾" – 16 x 12. Leg End Thread Size: ½" Threaded ⅝"-18.

BK **827-1054**



PILOT BEARING PULLERS

These very versatile pullers are built specifically for inside pulling jobs, and particularly for removing flywheel pilot bearings on automobiles, trucks, and tractors. Also very practical for pulling motor, generator, and magneto bearings.

Item No.	Reach	I.D. Spread Min.	I.D. Spread Max.	Weight
SER **3573**	3/4"	1/2"	1 1/2"	4 lbs., 14 oz.
SER **3574**	1"	7/8"	2 1/8"	4 lbs., 14 oz.

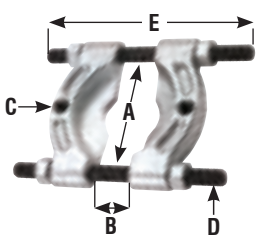
PILOT BEARING PULLER



Designed to pull flywheel pilot bearings in close quarters where a slide hammer cannot be used. Can be used on many models with engine in chassis. Capacity: 1/2"-1 1/2" I.D. Reach: 3/4".

BK **700-2476**

SPLIT-BEARING ATTACHMENTS



Attachments are used for the removal of bearings, thin-faced and cone-shaped gears. Beveled edge allows insertion behind pulleys, gears or bearings where space limits the use of a standard puller jaw. To use, grip the part to be pulled, then pull with the gear puller.

Item No.		A Min.	B Max.	C	D	E
SER **2263**	2 7/16"	0	2 1/4"	3/8"-16"	7/16"-20"	4 3/4"
SER **2264**	4 3/8"	0	4 1/4"	5/8"-18"	5/8"-18"	8 9/16"
SER **2265**	6"	1/2"	8 5/8"	5/8"-18"	3/4"-16"	14 1/4"

BEARING SPLITTERS



Knife-like edges are easily placed behind part to secure a gripping surface - even when clearances are extremely limited. When used as a push-puller, puller legs are threaded into the attachment's two tapped holes.

BK **825-5130** Spread: 5/8"-8"
BK **825-5131** Spread: 1/2"-9"



POWER STEERING PUMP PULLEY SERVICE KIT

Removes and installs power steering pump pulleys on most domestic vehicles. Fits pulley hubs with diameters of 1 1/8", 1 1/4", 15/16" and 1 3/8". Includes the necessary adapters for servicing: GM 3.1 L, 3100, 3400, and 3800 V6 engines, GM 2.3 L Quad 4 four- cylinder engines and Ford 4.6 L, 5.4 L, and 5.8 L modular V8 engines. Also includes quick disconnect tool for GM 1/2-, 3/4- and 1 Ton Pickups.

SER **41560**

Contents

Item No.	Description
SER **3893**	Disconnect Tools
SER **41561**	Bushing and Screw Set
SER **41562**	Bushing and Screw Set

POWER STEERING PUMP/ALTERNATOR PULLEY PULLER

Drop forged heat-treated steel construction. Removes pulleys on Chrysler, Ford, GM and VW. Fits pulleys with hub diameters of: 1 1/8", 1 1/4", 1 5/16" and 1 3/8". Split collet design for improved grip and damage free removal.

Instructions:

1. Position the forcing screw against the shaft.
2. Determine which end of the double-ended jaws will correctly fit the hub diameter
3. Position the jaw to grip the flange of the pulley
4. Slide the retainer ring over the jaws.
5. Remove the pulley by turning the force screw.



BK **776-9251**

POWER STEERING PUMP PULLEY SERVICE KIT



Designed to remove and install press-on-type, belt-driven pulleys. Includes components for 3/8"-16 threaded shaft. Can be used with either hand tools or impact gun. Packaged in heavy-duty blow molded case for durability.

SER **5238**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

FORD POWER STEERING PUMP PULLEY INSTALLER

Installs pulleys without damage to the pump by exerting force only on the shaft. For use on most Ford power steering pump pulleys.

Instructions:

1. Place pulley over center screw
2. Turn center screw into threads in pulley shaft
3. Turn drive nut to press pulley onto shaft.
4. Remove center screw from pulley shaft.



BK **776-9252**

EVERCRAFT

STEERING PIVOT-PIN REMOVER

Applications: 1969 to current GM, Chrysler and Ford with Saginaw steering columns. For use on tilt and telescopic steering columns to remove pivot pin.

BK **776-9243**



OTC

STEERING PIVOT-PIN REMOVER

Pivot-pin remover makes servicing tilt and telescoping steering columns a snap! For use on 1969-current Chrysler, Ford and GM vehicles with Saginaw steering columns.

BK **700-2235**



EVERCRAFT

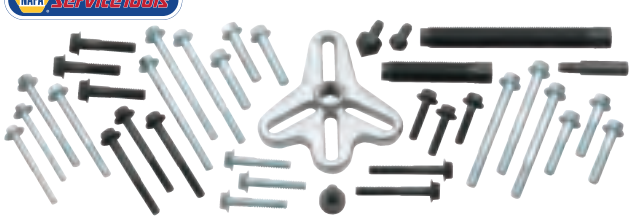
GM POWER STEERING PUMP PULLEY REMOVER/INSTALLER

Removes and installs GM power steering pump pulleys. Tool exerts force only through the shaft to prevent damage to the pump and pulley.

BK **776-9253**



NAPA ServiceTools



MASTER BOLT GRIP/PULLER KIT

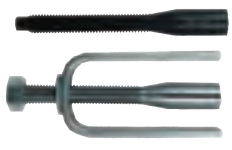
Can tackle almost any two or three-way bolt pulling application on many models. Ideal for use on harmonic balancers, steering wheels, crankshaft pulleys and gears.

SER **41600**

Contents

Qty.	Description
1	Metric Bolt Set
1	SAE Bolt Set
2	Center Screw
1	4 Pc. Tip Set
1	2-/3-Way Yoke

NAPA ServiceTools





STEERING WHEEL LOCK-PLATE REMOVER/INSTALLER

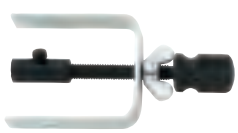
Features a redesigned puller yoke to fit late model GM cars with (S.I.R.) air bags. (1992 to present). Works on older GM, Chrysler and AMC vehicles previously serviced by the *SER* **2414**. Narrower yoke prevents damage to the lock plate. Separate SAE (black) and Metric (zinc) threaded collars screw to the center steering column. Center screw uses a 3/8" wrench flats to turn collars onto center column. Hex screw supplied will lock down telescoping steering columns while removing lock plate. Hex screw can be stored on side of puller yoke. Zinc and black oxide for corrosion resistance.

CAUTION: Always consult dealership service manual prior to servicing vehicles with air bags.

Item No.	Description
SER **3509**	Steering Wheel Lock-Plate Remover/Installer
SER **3509-71**	Replacement Yoke
SER **3509-72**	Replacement Center Screw

EVERCRAFT

STEERING WHEEL LOCK PLATE TOOL



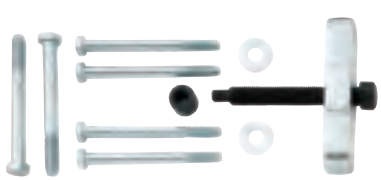
A must for servicing turn signals, ignition switches and steering locks built into steering column. Includes SAE and metric center-screw adapter.

CAUTION: For intended use only - relieve system pressure before using.

BK **776-9063**

EVERCRAFT

STEERING WHEEL PULLER

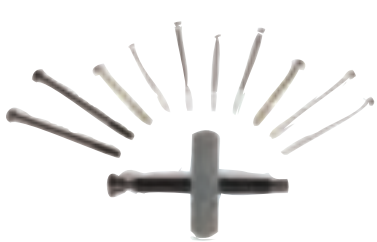


Zinc-plated puller can be used on most U.S. and imported car and truck steering wheels. Includes two sets of bolts.

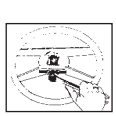
BK **776-9064**

NAPA ServiceTools

CRANKSHAFT PULLEY/ STEERING WHEEL PULLER



Puller removes crankshaft pulleys on Chrysler 2.2 and 2.5-L engines and pulls steering wheels on most US and import cars. The floating swivel on the center screw prevents damage to the steering column. Five sets of side bolts include 3/8"-16" UNC, 5/16"-18" UNC, 5/16"-24" UNF and 8mm x 1.25mm.



SER **2291**

NAPA ServiceTools

STEERING WHEEL PULLER KIT



Need to remove a steering wheel? This kit has what it takes for most domestic and import cars with or without telescoping tilt columns. Use the puller legs with the steering wheel puller to remove steering wheels on late model GM vehicles. Steering wheel lock-plate depressor also included.

SER **41620**

Contents

Item No.	Description
SER **2291**	Steering Wheel Puller Yoke and Screw Extension Bushing for most US and imported cars. Special bolts for use on GM vehicles with SIR units to avoid damaging electrical components. Also for crankshaft pulley on Chrysler 2.2 and 2.5 L engines.
SER **3906**	Pivot Pin
SER **3509**	Lock Plate Remover Tool
SER **41623**	Lock Plate Yoke
SER **41624**	Lock Plate Remover Collars and Nut Washer
SER **41625**	Screw Package

OTC

GM HARMONIC BALANCER PULLER ADAPTER SET



For use with the No. 518 flange-type puller, these shoulder bolts are designed to prevent themselves from being installed too deeply. This protects the crank sensor and/or interrupter rings from damage. Spacer adapter provides the puller's forcing screw with something to push against. Includes shoulder bolts and spacer adapter.

BK **700-2461**

NAPA ServiceTools

CRANKSHAFT BOLT REMOVAL TOOL



- Reduces service time on vehicles with limited Crankshaft bolt access
- Generates up to 600 ft. lbs of force, exceeding most 1/2" drive impact guns
- Use where your impact gun won't fit
- Bi-directional force loosens or tightens bolts
- Ideal for Honda crankshaft bolt removal
- Use with impact sockets

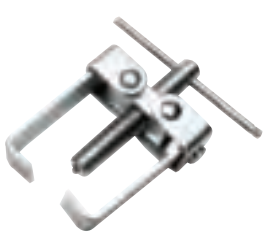
SER **70865**

EVERCRAFT

2-JAW GEAR PULLERS

Drop forged, chrome-plated puller.

Item No.	Description
BK **776-8042**	8"
BK **776-8043**	3 1/2"
BK **776-8044**	6"



EVERCRAFT

CAMSHAFT PULLEY HOLDER



Ideal for holding camshaft, crankshaft, and power steering pulleys. Adjustable jaw opening from 1/4" to 7/8". Long handle for extra leverage.

BK **776-8051**

EVERCRAFT

HARMONIC BALANCER PULLER



Multi-application yolk allows for two- or three-bolt applications. Forged, alloy-steel construction. Full set of hub bolts included.

BK **776-9062**

NAPA ServiceTools

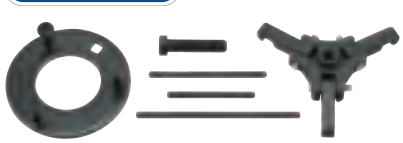
HARMONIC BALANCER PULLER



Removes balancers, pulleys and gears with tapped holes. Easily bolts to balancer with center screw on end of crankshaft. Yoke features four slots for use on two- or three-hole applications. Floating swivel prevents damage to shaft end. Center Screw Sizes: 3/8"-24" UNF, 5/16"-18" UNC, 3/8"-16" UNC, 10mm x 1.5mm.

Item No.	Description
SER **2286**	Harmonic Balancer Puller
SER **2286-75**	Replacement Yoke & Screw Swivel
SER **2286-77**	Replacement Screw Assortment

NAPA ServiceTools



The holding ring holds the harmonic balancer when tightening or loosening the crankshaft bolt, or removing the balancer.

HARMONIC BALANCER REMOVAL/INSTALLATION TOOLS & KIT

Removes or installs harmonic balancer on most popular Chrysler, Hyundai and Mazda vehicles, without removing the radiator.

Item No.	Description	*SER* **41750** 3 Pc. Set
SER **41751**	Replacement Puller Body	•
SER **41752**	Replacement Pin Set	•
SER **41753**	Replacement Holding Ring	•



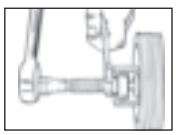
HARMONIC BALANCER INSTALLER
Installs drive pulleys on harmonic balancers. Includes complete range of adapters and comes with a thrust bearing for ease of use.
SER **3679**



LONG REACH HARMONIC BALANCER INSTALLER
Extra long reach tool kit for the installation of under drive or oversized pulleys and applications with recessed threads on the crankshaft. Traditional type balancer pulley installers will not work in many of these applications. This convenient kit features four high quality, long-reach threaded adapters and a universal nut that enables technicians to install these pulleys with ease. Ford, GM, Dodge, Chrysler: GM M16 x 2", M12 x 1.75", Ford M12 x 1.5", Mopar / GM M14 x 1.5"
Contents: (4) Adapters, (1) Nut and Case.
SER **38700**



HARMONIC DAMPER PULLEY PULLER
Developed to aid in the removal of the harmonic damper pulleys found on many Chrysler and GM engines. Pulleys are hard to access and remove due to space limitations in and around the engine compartment. However, in most cases this compact tool eliminates the need for a technician to remove the radiator or other components before removing the pulley.
SER **64900**





SER **2897**

NO-SLIP PULLEY PULLER AND INSTALLER SET
Completely traps the pulley for a no-slip grip. Screw-in handle adds a point for leverage. Removes and installs pressed-on power steering, alternator and air pump pulleys without slipping. The unique puller body completely houses the pulley hub to prevent slipping on even the tightest pulleys. Fits most domestic models including GM 3.1 and Quad 4 engines. Works on traditional V-shaped pulleys and serpentine belt system pulleys. Also works faster than other conventional pulley pullers. Included in set is puller body, jaw and sleeve assembly, jackscrew, button, bearing and washer, puller pin and screw installers.

Item No.	Description
SER **39000**	No-Slip Pulley Puller & Installer Set
SER **2897-85**	Replacement Puller Pin for Quad 4
SER **2897-86**	Replacement Screw Installer for Quad 4
SER **2897-87**	Replacement Puller Pin for GM 3.1
SER **2897-88**	Replacement Screw Installer for GM 3.1
SER **2897-89**	Replacement Screw Installer for Ford 4.6
SER **2897-90**	Replacement Screw Installer for all others
SER **2897-83**	Replacement Button
SER **2897-82**	Replacement Jackscrew
SER **2897-84**	Replacement Bearing & Washer
SER **2897-81**	Replacement Jaw & Sleeve Assembly



PULLEY PULLER
Removes one- or two-groove pulleys on power steering and water pumps. Alloy-steel construction.
BK **776-9073**

CARLYLE® TORQUE WRENCHES

Carlyle professional torque wrenches are the class of the professional torque wrench industry. This extremely broad program will transform the way technicians are able to read, understand, and use tools they rely upon in the workplace every day. Incorporating the latest technology in both digital wrenches as well as angle meters, this program covers most applications. Each wrench is fully compliant with US Federal Safety Specifications and passes the ASME B107.14M standard, so you can rest assured that the tool you choose will be capable of delivering the excellence guaranteed by the NAPA name.

DIGITAL ANGLE METERS

With an angle accuracy of +/– 2° for a 90° rotation and audible alarm/LED indicators, Carlyle digital angle meters yield accurate torque results in low lit areas.



www.carlyletools.com/products/torque-wrenches

CARLYLE

DIGITAL ANGLE METERS



CHT **DAMM**



CHT **DATA14**

- Angle Accuracy: +/-2° for 90° rotation
- Angle Range: 1-360%
- Torque Accuracy: CW: +/-3% - CCW: +/-4%
- Audible alarm/LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Batteries: 2 x AAA

Item No	Description
CHT **DAMM**	Digital Angle Meter w/ Magnet(Can be used on any drive size hand tool ratchet)
Digital Torque/Angle Adapter	
CHT **DATA14**	1/4" Dr., Torque Range: 1.11-22.12 ft-lbs.
CHT **DATA38**	3/8" Dr., Torque Range: 5-99.5 ft-lbs.
CHT **DATA12**	1/2" Dr. , Torque Range: 12.5-250.7 ft-lbs.

CARLYLE



1/4 IN. DR. DIGITAL TORQUE WRENCH WITH QUICK RELEASE

- Measures: ft-lbs, in-lbs, kg-cm
- Torque Accuracy: CW: +/-3% - CCW: +/-4%
- 60 teeth ratchet head with quick release
- Audible alarm/2 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Comfort grip
- Batteries: 1 x AAA



Item No.	Description
CHT **DTW14FL**	Torque Range: 0.44-8.85 ft-lbs

CARLYLE



DIGITAL SCREWDRIVER WITH 1/4 IN. DR. BIT HEAD

- Torque Range: 0.88-17.7 in-lbs.
- Measures: in-lbs, cN-m, kg-cm
- Torque Accuracy: CW: +/-2.5% - CCW: +/-3.5%
- Audible alarm/2 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- #2 Phillips bit included
- Comfort grip
- Batteries: 1 x AAA

CHT **DSD14**



ELECTRONIC & DIGITAL TORQUE WRENCHES

Carlyle electronic & digital torque wrenches are well-equipped with a comfort grip, memory cells for convenient recalls of stored settings, and ability to switch between ft-lbs, in-lbs, N-m, & kg-cm. Audible alarm and LED indicators are essential for situations in low lit or tight spaces where you might not be in a position to view the screen.

CARLYLE



DIGITAL FIXED HEAD TORQUE WRENCHES WITH ANGLE INDICATOR

- Measures: ft-lbs, in-lbs, degrees, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-2%
- Angle Accuracy: (+/-1% of reading) + (+/-1 degree @ angular velocity) > 10 deg/sec < 180 deg/sec)
- 32 teeth fixed head ratchet without quick release
- Audible alarm/3 LED indicator for torque accuracy in low lit areas
- 99 data memory recall
- Comfort grip
- Batteries: 2 x AA



Item No.	Description
CHT **DTW38**	3/8" Dr., Torque Range: 10-100 ft-lbs.
CHT **DTW12**	1/2" Dr., Torque Range: 25-250 ft-lbs.

CARLYLE



DIGITAL FLEX HEAD TORQUE WRENCHES WITH ANGLE INDICATOR

- Measures: ft-lbs, in-lbs, degrees, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-3%
- Angle Accuracy: +/-2° for 90° rotation
- 36 teeth flex head ratchet with quick release
- Audible alarm/12 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Comfort grip
- Batteries: 2 x AA



Item No.	Description
CHT **DTW38FL**	3/8" Dr., Torque Range: 5-99.5 ft-lbs.
CHT **DTW12FL**	1/2" Dr., Torque Range: 12.5-250.7 ft-lbs.

CARLYLE NAPA



ELECTRONIC FIXED HEAD TORQUE WRENCHES

- Measures: ft-lbs, in-lbs, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-2%
- 32 teeth fixed head ratchet without quick release
- Audible alarm/3 LED indicator for torque accuracy in low lit areas
- 3 data memory recall
- Comfort grip
- Batteries: 2 x AA



Item No.	Description
CHT **ETW38**	3/8" Dr., Torque Range: 10-100 ft-lbs.
CHT **ETW12**	1/2" Dr., Torque Range: 25-250 ft-lbs.

CARLYLE NAPA



ELECTRONIC FLEX HEAD TORQUE WRENCHES

- Measures: ft-lbs, in-lbs, N-m, kg-cm
- Torque Accuracy: CW: +/-2% - CCW: +/-3%
- 36 teeth flex head ratchet
- Audible alarm/12 LED indicator for torque accuracy in low lit areas
- 9 pre-settable angles/50 data memory recall
- Comfort grip
- Batteries: 2 x AA



Item No.	Description
CHT **ETW14FL**	1/4" Dr., Torque Range: 1.11-22.12 ft-lbs
CHT **ETW38FL**	3/8" Dr., Torque Range: 5-99.5 ft-lbs
CHT **ETW12FL**	1/2" Dr., Torque Range: 12.5-250.7 ft-lbs

CARLYLE NAPA



ROUND FIXED HEAD CLICK STYLE TORQUE WRENCHES

- Torque Accuracy: CW: +/-4% - CCW: +/-6%
- 72 teeth fixed head ratchet without quick release
- Two-way click design (clockwise/counterclockwise) for measuring right and left hand threaded bolts



Item No.	Description	Length
CHT **TW14RH1**	1/4" Dr., Torque Range: 5-50 in-lbs	9.56"
CHT **TW38RH2**	3/8" Dr., Torque Range: 10-100 ft-lbs	16.19"
CHT **TW38RH1**	3/8" Dr., Torque Range: 25-250 ft-lbs	11 1/4"
CHT **TW12RH1**	1/2" Dr., Torque Range: 25-250 ft-lbs	24.13"
CHT **TW12RH2**	1/2" Dr., Torque Range: 30-250 ft-lbs	24.13"
CHT **TW34**	3/4" Dr., Torque Range: 100-600 ft-lbs and Durable anodized aluminum handle. Case included.	38"

CARLYLE NAPA



TEARDROP TORQUE WRENCHES

- Torque Accuracy: CW: +/-3%
- 32 teeth fixed head ratchet without quick release
- One-way click design (clockwise) for measuring right hand threaded bolts



Fixed Head



Flex Head

Item No.	Description	Length
Fixed Head		
CHT **TW14TD**	1/4" Dr., Torque Range: 30-200 in-lbs.	14 11/16
CHT **TW38TD1**	3/8" Dr., Torque Range: 10-100 ft-lbs.	14"
CHT **TW38TD2**	3/8" Dr., Torque Range: 50-250 in-lbs.	14 11/16"
CHT **TW12TD1**	1/2" Dr., Torque Range: 30-250 ft-lbs.	24 1/2"
CHT **TW12TD2**	1/2" Dr., Torque Range: 10-150 ft-lbs.	20 5/16"
Flex Head		
CHT **TW38FL**	3/8" Dr., Torque Range: 5-75 ft-lbs.	17.5"
CHT **TW12FL**	1/2" Dr., Torque Range: 30-250 ft-lbs.	26"



CARLYLE NAPA

1 IN. DR. BREAKBACK TORQUE WRENCH

This breakback torque wrench is 1" drive. 49" Length. overall and has 36 teeth. Range is 150-600 ft-lbs. Case not included.



Item No.	Description
CHT **TW1**	**Torque Wrench,** Torque Range: 150-600 ft-lbs.
CHT **TWA34**	**3/4" Square Drive Adapter** Torque Range: 100-600 ft-lbs.

CARLYLE NAPA



1/2 IN. DR. PRESET TORQUE WRENCHES

Each torque wrench is precisely preset to it's proper ft-lbs. measurement. Percentage of accuracy to the preset torque is +/- 4% clockwise and +/- 6 % counter-clockwise. Audible click once preset torque is reached. Full polished chrome finish durable. 105° angled head provides proper leverage angle during use. Comfort-grip handle provides less fatigue. Color-coded grip allows user to easily remember which wrench to use for the job. Each torque wrench comes with a certified calibration certificate. Product meets ASME B107.14M-2004.

Item No.	Description	Handle	*CHT* **TWSPS5** 5 Pc. Set. w Case
CHT **TW12PS60**	60 ft-lbs.	Black	•
CHT **TW12PS80**	80 ft-lbs.	Yellow	•
CHT **TW12PS100**	100 ft-lbs.	Gray	•
CHT **TW12PS120**	120 ft-lbs.	Red	•
CHT **TW12PS140**	140 ft-lbs.	Blue	•

EVERCRAFT



1/2 IN. DR. MICROMETER CLICK-STYLE TORQUE WRENCH

Micrometer type torque wrench features a reversible ratchet head. Desired torque level is indicated by feel and sound. Click-style torque wrench has 25-250 ft-lbs. capacity. Torque is right hand only. Chrome-plated to protect from rust. Knurled adjustment handle for easy grip adjustment. Torque lock knob for accurate measurement. Scale is exposed. Positive lock with spring loaded pull down lock ring.

BK **776-8077**

EVERCRAFT



3/8 IN. DR. MICROMETER-STYLE TORQUE WRENCH

All parts (including shaft) are heat-treated, carbonized, quenched and twice-tempered for long-life and accurate performance. Ratchet gears feature chrome molybdenum steel construction for durability. The nickel chrome-plated and sandblasted shaft reduces metal fatigue. Provides accuracy within plus or minus 3%. Torque Range: 10-80 ft-lbs.

BK **776-0951**

EVERCRAFT



1/2 IN. DR. DELUXE MICROMETER-STYLE TORQUE WRENCH

All parts (including shaft) are heat-treated, carbonized, quenched and twice-tempered for long-life and accurate performance. Ratchet gears feature chrome, molybdenum steel construction for durability. The nickel chrome-plated and sandblasted shaft reduces metal fatigue. Provides accuracy within plus or minus 3%. Torque Range: 10-150 ft-lbs.

BK **776-0950**

EVERCRAFT



BEAM-TYPE TORQUE WRENCHES

Precision engineered for accuracy, dependability and durability.

Item No.	Description
BK **776-1950**	3/8" Dr., 0-75 ft-lbs.
BK **776-1951**	1/2" Dr., 0-150 ft-lbs.

CARLYLE NAPA



CHT **TAS38109**

3/8 IN. DR. TORQUE ADAPTERS

For torque requirements in hard to reach areas. Includes bar holder. Made of chrome vanadium.

Item No.	Size	*CHT* **TAS38109** 9 Pc. Set.	*CHT* **TAS38110M** 10 Pc. Set.
CHT **TA38108**	1/4"	•	
CHT **TA38110**	5/16"	•	
CHT **TA38112**	3/8"	•	
CHT **TA38114**	7/16"	•	
CHT **TA38116**	1/2"	•	
CHT **TA38118**	9/16"	•	
CHT **TA38120**	5/8"	•	
CHT **TA38122**	11/16"	•	
CHT **TA38124**	3/4"	•	
CHT **TA38110M**	10mm		•
CHT **TA38111M**	11mm		•
CHT **TA38112M**	12mm		•
CHT **TA38113M**	13mm		•
CHT **TA38114M**	14mm		•
CHT **TA38115M**	15mm		•
CHT **TA38116M**	16mm		•
CHT **TA38117M**	17mm		•
CHT **TA38118M**	18mm		•
CHT **TA38119M**	19mm		•

EVERCRAFT

TORQUE ANGLE GAUGE

360° Angle scale in 2° increments. Adjustable arm has two different lengths for flexibility of use. Drive size: 1/2".

BK **776-8041**

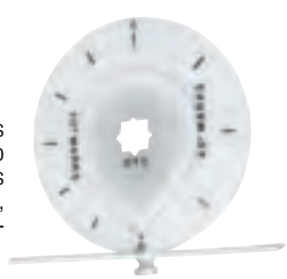


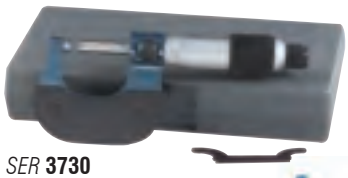
OTC

TORQUE ANGLE GAUGE

For meeting torque angle procedures now required by many manufacturers to assure accurate tightening of fasteners and head bolts. Gauge is easy to read, provides precise readings and accommodates 1/2" drive torque wrenches.

BK **700-2477**





SER **3730**

SER **3434**



OUTSIDE MICROMETERS

Industrial quality steel micrometer features Swiss style and carbide faces, spindle lock with thermal shields and friction thimble for precise measurements. Measurement Increments: .0001". Includes spindle lock and case.

Item No.	Measurement Range	*SER* 3434 4 Pc. Set
SER **3730**	Up to 1"	•
SER **3731**	1" - 2"	•
SER **3732**	2" - 3"	•
SER **3733**	3" - 4"	•

BRAKE ROTOR OUTSIDE MICROMETER

Features pointed anvil and 3½" deep frame to do full face of rotor. Measures in increments of .0001" / .001mm; from .3" – 1.3".

SER **3735**





4 IN. DIGITAL CALIPER

Easy-to-read display with push-button conversion. Features (4) measurements including inside, outside, depth and step. Stainless steel caliper measures in increments of .0005" / .01mm; up to a 4" (100mm) range. Satin chrome outer finish.

SER **3754**



6 IN. CARBON FIBER COMPOSITE DIGITAL CALIPER

Easy-to-read digital display. Features (4) measurements including inside, outside, depth and step. This carbon fiber digital caliper works just like a standard digital caliper with less weight and a lower cost to you. Unit material also provides extra rigidity. Switch between inch, metric and fractional readings with a push of a button. Caliper measures in increments of .0005" / .01mm, with a range of up to 6" (150mm)

SER **3757**



6 IN. DUAL SCALE DIAL CALIPER – SAE & METRIC

Features dual scale dial with (4) measurements including inside, outside, depth and step. Adjustable dial with top screw lock. Stainless steel caliper measures in increments of .001" / .02mm; up to a 6" (150mm) range. Satin chrome outer finish.

SER **3751**



3 PC. MACHINIST'S TOOL KIT

- Micrometer features carbide faces with .0001" graduations and friction thimble.
- Six-inch caliper features .001" graduations and can be used for up to four measurements.
- Six inch ruler has 1/32", 1/64", 1mm & .5mm graduations.

SER **3753**



EVERCRAFT

6 IN. DIGITAL SLIDE CALIPER W/ LARGE LCD WINDOW

Features

- LCD displays up to five digits
- Glass window over LCD is clearer and does not wear out
- Color coded Off, On/Zero and Inch/mm
- Stainless steel frame with hardened jaws, graduated scale and thumb roll
- Four-way measurement, inside, outside, depth and step
- Resolution/repeatability .0005" x 0.01mm
- Data output interface
- Fitted in a plastic box

BK **776-9152** Stainless Digital Caliper
BK **357BPZ-3** Replacement Battery

EVERCRAFT



0 TO 6 IN. STAINLESS DIAL CALIPER

Measure outside, inside, step and depth. 0 to 6" Range, .001" (.02mm) increments, .100" (2.0mm) range/revolution. Adjustable dial and thumb wheel for fine adjustment.

BK **776-9151**

NAPA ServiceTools



DIGITAL BRAKE ROTOR MICROMETER
Improved design for easier measurement of brake rotors. Depth rod for measuring pad wear. Pointed anvil and 3.5" long arms to inspect rotors before turning or replacing them. Improved anvil and arm design to better get into scores and tight spaces. Easy to read digital display with inch/metric conversion. 0 to 4" (0 to 100mm) range. Replaceable Battery # SR44/357.
SER **3774**



DIGITAL BRAKE DRUM GAUGE
Features 4.25" deep arms and pointed anvils to inspect drums before turning or replacing. Easy-to-read digital display with inch and metric conversion. Selectable depth stops for easier use. Measurement increments of .001" /. 01mm. Range 6" to 20.65" diameter drums.
SER **3777**



DIGITAL OUTSIDE MICROMETER
Industrial quality features Swiss style and carbide faces. Spindle lock with thermal shields and friction thimble for precise measurements.
Measures in increments of .0001" / .001mm; up to 1" (25mm).
SER **3740**



6 IN. STAINLESS STEEL STIFF RULER
Precision ground and tempered with clear etched. Measurement increments of 1/32", 1/64", 1mm & .5mm.
SER **3773**



6 IN. POCKET STAINLESS STEEL RULER
Precision ground and tempered with clear etched 1/64" and 1mm graduations. Sliding T-Stop.
SER **2522**



POCKET CALIPER
Allows measurement of inside and outside dimensions up to 4 inches in 1/32" and 1mm increments.
SER **2527**

ROTOR/BALL JOINT GAUGE WITH DIAL INDICATOR AND LOCKING PLIERS
Measure wear and run-out on brakes (tires can only be done with a roller contact that is not included in the set)
- 2 1/4" Dial Face
- Range 0-1.00 Graduations .001"
- Special locking plier for easy mounting
- Flex arm to easily locate the indicator
- Includes case





SER **3763**



DEPTH MICROMETER
Used for precision measurements of hole depth, recesses and skyways. Measurement range of up to 6". 4 In. wide base.
SER **3746**

DIAL INDICATOR SET W/ON & OFF STAND
Extremely accurate indicator with continuous revolution counter and rotating bezel for easy set up. Features strong magnet for secure mounting.

Features
- Range: 0-1"
- Graduations: .001"
- Centered V-magnet for strongest grip on round or flat surfaces
- Powerful 130 lbs. pull
- Two magnetic mounting surfaces: bottom and back
- Swivel adapter to mount all AGD Dial Indicators with lug backs
- Universal dovetail clamp for Dial Test Indicators
- On/Off switch
- Center rod 1/2" diameter x 7" high



Item No.	Description
SER **3761**	Dial Indicator Set W/On & Off Stand
SER **3766**	Replacement Dial Indicator
SER **3765**	Micrometer & Bore Gauge Stand

DIGITAL DIAL INDICATOR SET



Features

- Zero setting at any position, metric/ inch system
- Interchange at any position, data output interface, data holding function
- Fast tracing of minimum value or maximum value during measurements
- Dial indicator measuring increments of .001" / .02mm, up to 1" (25mm)
- Auto power on/off
- Comes with deluxe on/off stand

Item No.	Description
SER **3762**	Dial Indicator Set W/On & Off Stand
SER **3767**	Replacement Dial Indicator
SER **3765**	Micrometer & Bore Gauge Stand

BORE GAUGE SET



Quickly and accurately measures cylinders for wear. Check cylinder diameter when used with micrometer. Features 2" - 6" Range w/ .0005" graduations. Self- centering. Plastic indicator mount with satin chrome body.

SER **3769**

6 PC. BORE GAUGE SET



Features

- Measure slot or recess from 5/16" – 6"
- Plunger expands in hole to be measured
- Knurl locks the setting for sizing with micrometer or caliper
- Satin chrome finish
- In plastic folding pouch

SER **3771**

TAPE MEASURES

SAE MET



Precision steel tape measures with Clearsight poly-coat blade are highly resistant to abrasion, chipping and most acids, alkalis and oils. Exclusive no-drift locking action holds accurate readings for marking and repeat measuring. Sliding end hook self-adjusts to true zero for inside or outside measuring. Case is lightweight with removable belt clip.

Item No.	Description
SER **3009**	5/8" x 12' Tape Measure
SER **3011**	3/4" x 16' Tape Measure
SER **3012**	1" x 25' Tape Measure

1-1/8 IN. WIDE SHORT TAPES



- 10' of blade standout for increased user reach*
- 1/8" markings to speed up measuring jobs
- Duo-durometer blade-lock for durability and comfort
- Anti-rust polymer blade coating

DEW **DWHT33373**

Item No.	Size L x W	Standout	Blade Lock	Belt Clip	Weight
DEW **DWHT33372**	16' x 1 1/8"	10'	Yes	Yes	0.84 lbs
DEW **DWHT33373**	25' x 1 1/8"	10'	Yes	Yes	1.10 lbs
DEW **DWHT33374**	30' x 1 1/8"	10'	Yes	Yes	1.30 lbs

1-1/4 IN. WIDE SHORT TAPES



- 13' of blade standout for increased user reach*
- Extra large end hook grabs construction material from all 4 sides
- 3M® thermoplastic film helps to protect blade from damage
- Integrated lanyard slot
- Mylar® blade coating
- SAE scale

DEW **DWHT33975**

Item No.	Size L x W	Standout	Blade Lock	Belt Clip	Weight
DEW **DWHT33924**	16' x 1 1/4"	13'	Yes	Yes	0.86 lbs
DEW **DWHT33975**	25' x 1 1/4"	13'	Yes	Yes	1.24 lbs

1 IN. X 25 FT. HI-VIZ™ ORANGE POWER RETURN MEASURING TAPE



- Lightweight, high strength, case fits comfortably in hand
- Hi-Viz™ orange case, easy to find on the job
- Unique slide lock design allows for easy control of tape blade
- Clear coat blade protection for more durable markings

APX **L625**

TAPE MEASURES



SAE

Positive locking control secures tape and prevents movement when measuring. Measures inches/feet and centimeters/meters. Tape features durable, specially-treated steel construction. Also includes convenient belt clip. Tape Width: 1".

BK **776-9004** 16' Tape Measure
BK **776-9005** 25' Tape Measure

**** Standout claim based on maximum performance***
†Compared to standard competitor long tapes
3M is a registered trademark of 3M Company
Mylar® is a registered trademark of DuPont Teijin Films™ U.S. Limited Partnership.

DEWALT

CLOSED CASE STEEL LONG TAPE



- 5:1 Gear ratio for 5x faster blade rewind†
- Blade release button for easy blade pull out
- Belt clip and spring loaded carabiner included for easy transportation
- Anti-rust polymer blade coating
- SAE and decimal ft. scale

Item No.	Size L x W	Belt Clip	Weight
DEW **DWHT34036**	100' x 3/8"	Yes	1.11 lbs

DEWALT

OPEN REEL FIBERGLASS LONG TAPES



DEW **DWHT34028**

- 3:1 Gear ratio for 3x faster blade rewind†
- Water and abrasion resistant blade
- Double-sided print for fractional inch and decimal feet measurements
- SAE and decimal ft. scale

Item No.	Size L x W	Belt Clip	Case Design	Weight
DEW **DWHT34028**	100' x 3/4"	No	X-Shape	2.14 lbs
DEW **DWHT34037**	100' x 1/2"	No	T-Shape	1.53 lbs
DEW **DWHT34038**	300' x 1/2"	No	T-Shape	3.39 lbs

DEWALT

AUTO REWIND STEEL LONG TAPE



- Automatic blade retraction saves time by eliminating manual rewind
- Rust-resistant coating prolongs blade life
- Metal case for heavy-duty use
- Spring loaded carabiner included for easy transportation
- Lacquer blade coating
- 5:1 Gear ratio
- SAE scale

Item No.	Length	Belt Clip	Weight
DEW **DWHT34201**	100' x 3/8"	Yes	1.70 lbs

DEWALT

I-BEAM LEVELS



- Robust engineered cross section
- Block vials provide durability and accuracy (0.0005"/in)
- V-groove base for accurate alignment on rounded surfaces and edges

Item No.	Length	# Of Vials	Magnetic	Weight
DEW **DWHT42151**	24"	3	No	1.67 lbs
DEW **DWHT42163**	24"	3	Yes	1.74 lbs
DEW **DWHT42166**	48"	3	No	3.35 lbs
DEW **DWHT42167**	48"	3	Yes	3.46 lbs
DEW **DWHT42169**	72"	3	No	4.74 lbs
DEW **DWHT42170**	72"	3	Yes	5.44 lbs

**** Standout claim based on maximum performance***
†Compared to standard competitor long tapes
3M is a registered trademark of 3M Company
Mylar® is a registered trademark of DuPont Teijin Films™ U.S. Limited Partnership.

DEWALT

TORPEDO LEVEL



- Extruded aluminum body for strength and light weight
- Solid block vials for durability and accuracy (0.0005"/in)
- Rotating vial for identifying and duplicating angles, slopes and pitch

Item No.	Length	# Of Vials	Magnetic	Weight
DEW **DWHT43003**	9"	3	Yes	0.35 lbs

DEWALT

PREMIUM RAFTER SQUARES



- Stamped-in contrasting color graduations for better readability
- Extra-thick extruded aluminum body holds up to heavy-duty use, ideal for use as saw guide
- Large base helps provide better grip on materials
- Scribe line notches for marking rip cuts

Item No.	Length	Magnetic	Weight
DEW **DWHT46031**	7"	No	0.44 lbs
DEW **DWHT46032**	12"	No	0.88 lbs

DEWALT

HEAVY-DUTY CHALK REELS/KITS



DEW **DWHT47143**

- 3:1 gear ratio for easy winding
- Open-access door for quick refills and access to internal components
- 100' heavy-duty line resists abrasion and breakage
- Stainless steel hook and crank withstand abuse and resist corrosion
- High-impact ABS housing for durability and light weight
- Over-molded soft grip for comfort and control

Item No.	Description	Contains	Weight
DEW **DWHT47142**	Chalk Reel	100' Chalk Reel	0.65 lbs
DEW **DWHT47143**	Chalk Reel Kit	100' Chalk Reel, 4 oz Blue Chalk	0.83 lbs
DEW **DWHT47144**	Chalk Reel Kit	100' Chalk Reel, 4 oz Red Chalk	0.83 lbs

Lufkin®

CONTRACTOR MEASURING WHEEL



- Measures as fast as you can walk
- Feet and inches in 8ths

APX **MW38TP**

NAPA ServiceTools

ANGLE FINDER



Use on any vertical surface for instant reading. Use conversion chart to determine pitch by inch or foot. Measure truck and automotive front ends and drive shaft angle. Magnetic base holds tool in place. Tool is graduated in 1/2° increments.

SER **2968**

NAPA ServiceTools

DELUXE FEELER GAUGE, 32 BLADES

Gauge measures clearances from 0.0015 to 0.035" (0.038 to 0.889mm). It also includes one 0.010" brass blade to use with electronic ignitions. Blade Lengths: 3 5/16" long, Blade Width: 1/2".



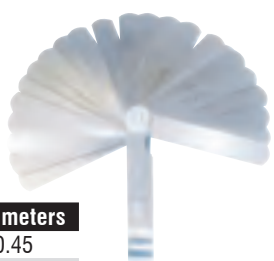
SER **161**

Inches	Millimeters	Inches	Millimeters
0.0015	0.038	0.015	0.381
0.002	0.051	0.016	0.406
0.0025	0.063	0.017	0.432
0.003	0.076	0.018	0.457
0.004	0.102	0.019	0.483
0.005	0.127	0.020	0.508
0.006	0.152	0.021	0.533
0.007	0.178	0.022	0.559
0.008	0.203	0.023	0.584
0.009	0.229	0.024	0.610
0.010	0.254	0.025	0.635
0.010 (Brass)	0.254	0.026	0.660
0.011	0.279	0.028	0.711
0.012	0.305	0.030	0.762
0.013	0.330	0.032	0.813
0.014	0.356	0.035	0.889

NAPA ServiceTools

METRIC FEELER GAUGE, 25 BLADES

25-blade gauge measures clearances from 0.04 to 1mm.
Blade Lengths: 3" long.



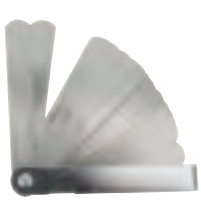
SER **2274**

Inches	Millimeters	Inches	Millimeters
.0016	0.04	.0177	0.45
.0019	0.05	.0197	0.50
.0024	0.06	.0217	0.55
.0028	0.07	.0236	0.60
.0032	0.08	.0256	0.65
.0035	0.09	.0276	0.70
.0039	0.10	.0295	0.75
.0059	0.15	.0315	0.80
.0079	0.20	.0335	0.85
.0098	0.25	.0354	0.90
.0118	0.30	.0374	0.95
.0138	0.35	.0394	1.00
.0158	0.40		

NAPA ServiceTools

FEELER GAUGE, 15 BLADES

Gauge measures clearances 0.002 to 0.025" (0.051 to 0.635mm). Includes a 2 1/2" ruler and 15 blades. Blade Lengths: 3 5/16" long.



SER **162**

Inches	Millimeters	Inches	Millimeters
0.002	0.051	0.013	0.330
0.003	0.076	0.014	0.356
0.004	0.102	0.016	0.406
0.005	0.127	0.018	0.457
0.006	0.152	0.020	0.508
0.008	0.203	0.022	0.599
0.011	0.279	0.025	0.635
0.012	0.305		

NAPA ServiceTools

FEELER GAUGE, 7 BLADES

Ideal for ignition and general purpose measuring.
Lengths: 3 1/4" long.



SER **173**

Inches	Millimeters	Inches	Millimeters
0.013	.3302	0.020	.508
0.015	.381	0.022	.5588
0.016	.4064	0.025	.635
0.017	.4318		

EVERCRAFT

THICKNESS GAUGE, 32 BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.

BK **776-9144**

Inches	Millimeters	Inches	Millimeters
0.0015	0.04	0.016	0.40
0.002	0.05	0.017	0.43
0.0025	0.06	0.018	0.45
0.003	0.08	0.019	0.48
0.004	0.10	0.020	0.50
0.005	0.13	0.021	0.53
0.006	0.15	0.022	0.55
0.007	0.18	0.023	0.58
0.008	0.20	0.024	0.60
0.009	0.23	0.025	0.63
0.010	0.25	0.026	0.65
0.011	0.28	0.028	0.70
0.012	0.30	0.030	0.75
0.013	0.33	0.032	0.80
0.014	0.35	0.035	0.88
0.015	0.38		



EVERCRAFT

THICKNESS GAUGE, 15 BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.



BK **776-9148**

Inches	Millimeters	Inches	Millimeters
0.002	0.05	0.013	0.33
0.003	0.08	0.014	0.35
0.004	0.10	0.016	0.40
0.005	0.13	0.018	0.45
0.006	0.15	0.020	0.50
0.008	0.20	0.022	0.55
0.011	0.28	0.025	0.63
0.012	0.30		



MASTER VALVE LASH ADJUSTMENT SET

Set features color-coded double-end handle to differentiate between intake and exhaust. Includes 6" x 1/2" blades with 90° offset, 3" x 1/2" blades with 45° offset and 3" x 1/2" blades with 30° offset. Size range: .008" to .3".

SER **3079**

Inches	Millimeters	Inches	Millimeters
.00031	0.008	.00079	0.020
.00035	0.009	.00083	0.021
.00039	0.010	.00087	0.022
.00043	0.011	.00091	0.023
.00047	0.012	.00094	0.024
.00051	0.013	.00098	0.025
.00055	0.014	.00102	0.026
.00059	0.015	.00106	0.027
.00063	0.016	.00110	0.028
.00067	0.017	.00114	0.029
.00071	0.018	.00118	0.030
.00075	0.019		

VALVE-TAPPET FEELER GAUGE, 26 BLADES

Gauge has a 1", 45° offset tip for easy access to hard-to-reach valve adjustments. It features a convenient double-handle design with chrome plating and includes combination SAE and metric sizes.

SER **170**

Inches	Millimeters	Inches	Millimeters
0.005	0.127	0.018	0.457
0.006	0.152	0.019	0.483
0.007	0.178	0.020	0.508
0.008	0.203	0.021	0.533
0.009	0.229	0.022	0.559
0.010	0.254	0.023	0.584
0.011	0.279	0.024	0.610
0.012	0.305	0.025	0.635
0.013	0.330	0.026	0.660
0.014	0.356	0.027	0.686
0.015	0.381	0.028	0.711
0.016	0.406	0.029	0.737
0.017	0.432	0.030	0.762



VALVE-TAPPET FEELER GAUGE, 11 BLADES

11-blade gauge measures valve tappet clearances from .008" to .026" and .203mm - .66mm. Offset blades provide easy access. Blade Lengths: 3 3/4" long.

SER **163**



Inches	Millimeters	Inches	Millimeters
0.008	0.203	0.016	0.406
0.010	0.254	0.018	0.457
0.012	0.305	0.019	0.483
0.013	0.330	0.020	0.508
0.014	0.356	0.026	0.660
0.015	0.381		

EVERCRAFT

TAPPET GAUGE, 12 OFFSET TIP BLADES

Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability.

BK **776-9147**



Inches	Millimeters	Inches	Millimeters
0.008	0.20	0.016	0.40
0.010	0.25	0.018	0.45
0.012	0.30	0.019	0.48
0.013	0.33	0.020	0.50
0.014	0.35	0.025	0.63
0.015	0.38	0.026	0.66

EVERCRAFT

METRIC THICKNESS GAUGE, 25 STRAIGHT BLADES

Thickness gauge checks for accurate clearance on ignition points, valve lash, etc.

BK **776-9156**



Inches	Millimeters	Inches	Millimeters
.0016	0.04	.0177	0.45
.0019	0.05	.0197	0.50
.0024	0.06	.0217	0.55
.0028	0.07	.0236	0.60
.0032	0.08	.0256	0.65
.0035	0.09	.0276	0.70
.0039	0.10	.0295	0.75
.0059	0.15	.0315	0.80
.0079	0.20	.0335	0.85
.0098	0.25	.0354	0.90
.0118	0.30	.0374	0.95
.0138	0.35	.0394	1.00
.0158	0.40		

EVERCRAFT

SAE THICKNESS GAUGE, 26 STRAIGHT BLADES



Compact fan blade style tool designed for easy and accurate gap/thickness measurements. Made from stainless steel for strength and durability. Convenient thumb wheel lock for solid stable measurements.

BK **776-9157**

Inches	Millimeters	Inches	Millimeters
0.0015	.0381	0.013	.330
0.002	.0508	0.014	.356
0.0025	.063	0.015	.381
0.003	.076	0.016	.406
0.004	.102	0.017	.432
0.005	.127	0.018	.457
0.006	.152	0.019	.483
0.007	.178	0.020	.508
0.008	.203	0.021	.533
0.009	.229	0.022	.559
0.010	.254	0.023	.584
0.011	.279	0.024	.610
0.012	.305	0.025	.635

EVERCRAFT

NON-MAGNETIC THICKNESS GAUGE, 6 BLADES

Six non-magnetic brass blades. Use to set or check clearance on ignition distributors.



BK **776-9155**

Inches	Millimeters	Inches	Millimeters
0.006	0.15	0.012	0.30
0.008	0.20	0.014	0.35
0.010	0.25	0.016	0.40

NAPA ServiceTools

MINI FEELER GAUGE, 16 BLADES



Miniature 16-blade feeler gauges are only 1/4" wide and measure clearances from 0.010 to 0.035" (0.254 to 0.889mm). Blade Lengths: 1 3/4" long.

SER **2062**

Inches	Millimeters	Inches	Millimeters
0.010	0.254	0.022	0.559
0.012	0.305	0.024	0.610
0.015	0.381	0.025	0.635
0.016	0.406	0.026	0.660
0.017	0.432	0.028	0.711
0.018	0.457	0.030	0.762
0.019	0.483	0.032	0.813
0.020	0.508	0.035	0.889

EVERCRAFT

MINI THICKNESS GAUGE, 17 BLADES

17 Blade design, mini thickness gauge has small folding design that measures 1 1/2" x 1/4"



BK **776-9154**

Inches	Millimeters	Inches	Millimeters
0.010	0.25	0.022	0.55
0.012	0.30	0.024	0.60
0.013	0.33	0.025	0.63
0.015	0.38	0.026	0.65
0.016	0.40	0.028	0.70
0.017	0.43	0.030	0.75
0.018	0.45	0.032	0.80
0.019	0.48	0.035	0.88
0.020	0.51		

NAPA ServiceTools

NON-MAGNETIC FEELER GAUGE, 6 BLADES



Six-blade gauge measures clearance in electronic ignition systems where non-magnetic blades are required. These hard brass blades will not magnetize. See chart for sizes.
Blade Lengths: 3 5/16" long.

SER **2223**

Inches	Millimeters	Inches	Millimeters
0.006	0.152	0.008	0.203
0.010	0.254	0.012	0.305
0.014	0.356	0.016	0.406

EVERCRAFT

THICKNESS GAUGE, 22-3" STEP GROUND BLADES



22 Blade design, step ground blades. Thickness measurements from .004" to .027".

BK **776-9153**

Inches	Inches	Inches
0.004/0.006	0.005/0.007	0.006/0.008
0.007/0.009	0.008/0.010	0.009/0.011
0.010/0.012	0.011/0.013	0.012/0.014
0.013/0.015	0.014/0.016	0.015/0.017
0.016/0.018	0.017/0.019	0.018/0.020
0.019/0.021	0.020/0.022	0.021/0.023
0.022/0.024	0.023/0.025	0.024/0.026
0.025/0.027		

NAPA ServiceTools

GO-NO-GO FEELER GAUGE, 22 BLADES



Gauge checks clearance measurements with a 0.002" range. Stepped blades quickly indicate if clearance fails within the specified range. Twenty-two etched blades cover the complete range of sizes from 0.004 to 0.027" (0.10 to 0.69mm). Blade Lengths: $3^{5}/_{16}$" long.

SER **2424**

Inches	Millimeters	Inches	Millimeters
.00024	0.006	.00067	0.017
.00028	0.007	.00071	0.018
.00031	0.008	.00075	0.019
.00035	0.009	.00079	0.020
.00039	0.010	.00083	0.021
.00043	0.011	.00087	0.022
.00047	0.012	.00091	0.023
.00051	0.013	.00094	0.024
.00055	0.014	.00098	0.025
.00059	0.015	.00102	0.026
.00063	0.016	.00106	0.027

EVERCRAFT

COMBINATION TUNE UP THICKNESS GAUGE

Compact fan blade style combo tool designed for easy and accurate measurements. Includes built-in tools for tune-up assistance. Made from stainless steel for strength and durability. Convenient thumb wheel lock for solid stable measurements.

BK **776-9158**



Inches	Millimeters	Inches	Millimeters
12 Straight Blades:			
0.010	0.25	0.019	0.48
0.012	0.30	0.020	0.50
0.015	0.38	0.022	0.55
0.016	0.40	0.024	0.60
0.017	0.43	0.025	0.63
0.018	0.45	0.026	0.65
6 Straight Brass Blades:			
0.006	0.15	0.012	0.30
0.008	0.20	0.014	0.36
0.010	0.25	0.016	0.40

EVERCRAFT

SPARK PLUG GAP GAUGE, 15 BLADES

Double-ended folding design features 9-blade thickness and 6-piece electrode adjusters with built-in 2" ruler.

BK **776-9146**



Inches	Millimeters	Inches	Millimeters
Thickness Sizes:			
0.002	0.05	0.010	0.25
0.003	0.08	0.015	0.38
0.004	0.10	0.020	0.50
0.006	0.15	0.025	0.63
0.008	0.20		
Spark Plug Sizes:			
0.020	0.50	0.030	0.75
0.025	0.63	0.035	0.88
0.028	0.70	0.040	1.00

SPARK PLUG GAP GAUGE

Double-ended folding design features 9-blade thickness and 6-piece electrode adjusters with built-in 2 inch ruler.



BK **776-9145**

Inches	Millimeters	Inches	Millimeters
0.015	0.380	0.028	0.700
0.018	0.450	0.030	0.750
0.020	0.500	0.035	0.880
0.025	0.630	0.040	1.000

EVERCRAFT

ROUND SPARK PLUG GAP GAUGE

Tool features spark plug electrode adjuster and six wire loop style spark plug gap measurements.



BK **776-9149**

Inches	Millimeters	Inches	Millimeters
0.025	0.640	0.035	0.890
0.030	0.760	0.040	1.020
0.034	0.860	0.045	1.140

EVERCRAFT

ROUND SPARK PLUG GAP GAUGE

Tool features spark plug electrode adjuster and six wire loop style spark plug gap measurements.



BK **776-9150**

Inches	Millimeters	Inches	Millimeters
0.040	1.020	0.050	1.270
0.044	1.120	0.060	1.52
0.045	1.140	0.080	2.030

SPARK PLUG GAP GAUGE



Gauge measures spark plug electrode gaps on gap plugs from 0.040 to 0.080" (1.016 to 2.032mm). It includes two electrode adjusting tools.

SER **2327**

Inches	Millimeters	Inches	Millimeters
0.040	1.016	0.050	1.270
0.044	1.118	0.060	1.524
0.045	1.143	0.080	2.032

SPARK PLUG GAP GAUGE



Circular coin-type ramp gauge easily measures spark plug gaps from 0.020 to 0.100" (0.508 to 2.54mm).

SER **3293**

EVERCRAFT

SPARK PLUG GAP GAUGE



Tool features spark plug electrode adjuster and circular spark plug gap measurements. Gap Range: .020" to .100"(0.5 to 2.54mm)

BK **776-9237**

SPARK PLUG GAP WIRE GAUGE



Gauge measures spark plug gaps from 0.025 to 0.045" (0.635 to 1.143mm). Double-ended tool is included for adjusting electrodes.

SER **166**

Inches	Millimeters	Inches	Millimeters
0.025	0.635	0.035	0.889
0.030	0.762	0.040	1.016
0.034	0.864	0.045	1.143

SPARK PLUG GAP WIRE GAUGE



Gauge measures spark plug gaps from 0.020 to 0.040" (0.508 to 1.016mm). Double-ended tool is included for adjusting electrodes.

SER **165**

Inches	Millimeters	Inches	Millimeters
0.020	0.508	0.032	0.813
0.025	0.635	0.034	0.864
0.028	0.711	0.035	0.889
0.030	0.762	0.040	1.016

SPARK PLUG GAP & FEELER GAUGE SET



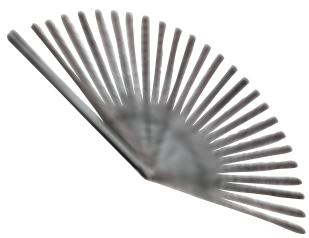
Use to set and measure spark plug gaps plus other ignition clearances from 0.010 to 0.045" (0.254 to 1.143mm). Six wire gauges check spark plug gaps and 12 straight blades check other clearances. It includes a double-ended electrode tool for easy adjustments.
Blade Lengths: 3" long.

SER **164**

Inches	Millimeters
Wire Gauge	
0.025	0.635
0.030	0.762
0.034	0.864
0.035	0.889
0.040	1.016
0.045	1.143

Inches	Millimeters
12-Blades	
0.010	0.254
0.012	0.305
0.015	0.381
0.016	0.406
0.017	0.432
0.018	0.457
0.019	0.483
0.020	0.508
0.022	0.559
0.024	0.610
0.025	0.635
0.026	0.660

EXTRA LONG FEELER GAUGE, 25 BLADES



Double stamped, 25-blade feeler gauge features US and metric sizes. Long blades can be bent to user's needs. Blade size: ½" W. x 12" L. Measures .0015" to .040".

SER **12025**

Inches	Millimeters	Inches	Millimeters
.0015	.038	.014	.356
.002	.051	.015	.381
.003	.076	.016	.406
.004	.102	.017	.432
.005	.127	.018	.457
.006	.152	.019	.483
.007	.178	.020	.508
.008	.203	.021	.533
.009	.229	.025	.635
.010	.254	.027	.686
.011	.279	.030	.762
.012	.305	.040	1.02
.013	.330		


Challenger Lifts
NAPA
BRAKE SERVICE

POWER TOOLS - AIR, CORDLESS & ELECTRIC

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WARNING: Always wear approved eye protection when using impact sockets.



1/4 IN. DR. AIR IMPACT WRENCH

- Ideal for confined spaces
- 1-Year over the counter warranty

NPT **6-1077**



Chicago Pneumatic

1/4 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP719** 1/4" Dr. Heavy-Duty Impact Wrench

CP **CP719QC** With 1/4" Hex Chuck

1/4 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1077**	5-55	70	10,000	2.2	10	4.625	1.7	1/4"
CP **CP719**	5-20	34	7,000	2.0	8	4.5	2.5	1/4"
CP **CP719QC**	5-20	34	7,000	2.0	8	4.5	2.5	1/4"



CARLYLE NAPA

3/8 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCH

- NAPA's most powerful 3/8" drive impact gun
- 2-Year warranty

NPT **6-1122** Impact Wrench

NPT **6-1139** Protective Boot



Ingersoll Rand

3/8 IN. DR. IMPACTOOL™ COMPOSITE IMPACT TITANIUM WRENCH

IR **2115TIMAX**



3/8 IN. DR. SUPER-DUTY IMPACT WRENCH

- Lightweight magnesium housing
- 1-Year over the counter warranty

NPT **6-766**



Ingersoll Rand

3/8 IN. DR. IMPACTOOL™ QUIET TOOL TITANIUM IMPACT WRENCH

IR **2115QTiMAX**



3/8 IN. DR. HEAVY-DUTY IMPACT WRENCH

- Exceptional value
- 1-Year warranty

NPT **6-1110**



Chicago Pneumatic

3/8 IN. DR. SUPER DUTY IMPACT WRENCH

CP **CP7729**

For 3/8" Drive Air Impact Wrench Specifications see page 223.



DEWALT

3/8 IN. DR. IMPACT WRENCH
DEW **DWMT70775**



Chicago Pneumatic

3/8 IN. DR. ULTRA COMPACT STUBBY IMPACT WRENCH
CP **CP7731**



Chicago Pneumatic

3/8 IN. DR. HEAVY-DUTY IMPACT WRENCH
CP **CP724H**



3/8 IN. DR. BUTTERFLY IMPACT WRENCH
• 1-Year warranty
NPT **6-1076**



Ingersoll Rand

3/8 IN. DR. HAMMERHEAD LOW-PROFILE IMPACTOOL™
IR **2015MAX**



Chicago Pneumatic

3/8 IN. DR. HEAVY-DUTY IMPACT WRENCH
CP **CP721**



Chicago Pneumatic

3/8 IN. DR. HEAVY-DUTY IMPACT WRENCH
CP **CP7722**

3/8 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1122**	25-350	370	11,500	4.5	18	5.75	2.4	1/4"
NPT **6-766**	20-160	190	10,000	2.5	10	6	2.6	1/4"
NPT **6-1110**	90-260	300	12,500	4	17	5.75	3.3	1/4"
IR **2115TIMAX**	25-235	300	15,000	4	17	5.95	2.48	1/4"
IR **2115QTiMAX**	25-235	300	15,000	4	17	5.95	2.49	1/4"
CP **CP7729**	50-300	415	9,400	5	20	6.4	2.8	1/4"
DEW **DWMT70775**	425	300	11,000	4	17	6"	3 lbs.	1/4"
CP **CP724H**	68-190	200	9,600	3.8	15	5.7	3.1	1/4"
CP **CP721**	5-50	75	11,000	2.5	10	5.8	2.6	1/4"
CP **CP7731**	96-328	415	6,400	4.5	18	4.4	2.9	1/4"
NPT **6-1076**	10-60	75	10,000	2.2	10	6	1.8	1/4"
IR **2015MAX**	45-160	180	9,000	3.5	19	13.1	3.4	1/4"
CP **CP7722**	5-65	90	9,500	3.2	13	6.3	2.1	1/4"

CARLYLE (NAPA) TORQUE DOMINATOR™

WEIGHS LESS THAN 4 LBS.

1200 FT. LBS. TORQUE



1/2 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCH

- 2-Year warranty

NPT **6-1123**	Impact Wrench
NPT **6-1124**	With 2" (51mm) Extended Anvil
NPT **6-1140**	Protective Boot



PROFESSIONAL AIR TOOLS

1/2 IN. DR. SUPER-DUTY IMPACT WRENCH

- 1-Year over the counter warranty

NPT **6-767**	Impact Wrench
NPT **6-1070**	With 2.5" (63mm) Extended Anvil



PROFESSIONAL AIR TOOLS

1/2 IN. DR. HEAVY-DUTY TWIN HAMMER IMPACT WRENCH

- 1-Year warranty

NPT **6-231**	Impact Wrench
NPT **6-232**	With 4" (101.6mm) Extended Anvil



PROFESSIONAL AIR TOOLS

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

- 1-Year warranty

NPT **6-746**	Impact Wrench
NPT **6-745**	With 2" (51mm) Extended Anvil



CARLYLE (NAPA) 800 FT. LBS. TORQUE

1/2 IN. DR. SNUB NOSE IMPACT WRENCH WITH COMPOSITE HOUSING

- Weighs less than 2.5 lbs.
- 2-Year warranty

NPT **6-1083**



DEWALT

1/2 IN. DR. IMPACT WRENCH

DEW **DWMT70773L**



DEWALT

1/2 IN. DR. IMPACT WRENCH

DEW **DWMT70774**



Ingersoll Rand | NASCAR — OFFICIAL POWER TOOLS OF NASCAR

1/2 IN. DR. IMPACTOOL™ IMPACT WRENCHES

Item No.	Description
IR **2235TiMAX**	1/2"
IR **2235TiMAX-2**	1/2", 2" Ext. Anvil
IR **2235QTiMAX**	1/2"
IR **2235QTiMAX-2**	1/2", 2" Ext. Anvil



Ingersoll Rand

1/2 IN. DR. QUIET COMPOSITE TITANIUM IMPACT WRENCH

IR **2135QTIMAX**	1/2" Dr. Quiet Composite Titanium Impact Wrench
IR **2135QTi2MAX**	With 2" (51mm) Extended Anvil



Ingersoll Rand | NASCAR — OFFICIAL POWER TOOLS OF NASCAR

1/2 IN. DR, QUIET IMPACTOOL™ IMPACT WRENCHES

IR **2135QXPA**	Quiet Impactool™ Impact Wrench
IR **2135QXPA-2**	With 2" (51mm) Extended Anvil

NASCAR® is a registered trademark of the National Association for Stock Car Auto Racing, Inc.

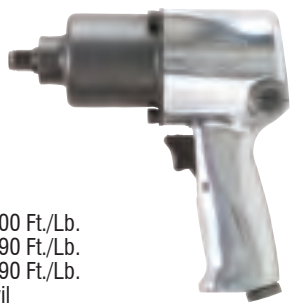
For 1/2" Drive Air Impact Wrench Specifications see page 226-227.



Ingersoll Rand

1/2 IN. DR. THUNDER GUN STREET LEGAL™ IMPACT WRENCH

IR **232TGSL**



Ingersoll Rand

1/2 IN. DR. IMPACT WRENCH

IR **231C**	Max. Torque (REV) 600 Ft./Lb.
IR **231HA**	Max. Torque (REV) 590 Ft./Lb.
IR **231HA2**	Max. Torque (REV) 590 Ft./Lb. with 2" Extended Anvil



Chicago Pneumatic

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7748**	1/2" Dr. Heavy-Duty Impact Wrench
CP **CP7748-2**	With 2" (51mm) Extended Anvil



Chicago Pneumatic

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7749**	1/2" Dr. Heavy-Duty Impact Wrench
CP **CP7749-2**	With 2" (51mm) Extended Anvil



Chicago Pneumatic

1/2 IN. DR. SUPER-DUTY IMPACT WRENCH

Item No.	Description
CP **CP749**	1/2" Dr. Super-Duty Impact Wrench
CP **CP749-2**	With 2" (51mm) Extended Anvil
CP **CP749M***	Metric Sockets: 14, 16, 17, 19 & 22mm AF
CP **CP749-2K**	Kits include: *CP* **CP749-2** 1/2" Impact wrench, Imperial flip sockets: 3/4", 13/16" & 19mm, 21mm and bottle of air tool oil

**** Kits include: 1/2" Impact Wrench CP CP749 and Bottle of air tool oil***



Chicago Pneumatic

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7736**	1/2" Dr. Heavy-Duty Impact Wrench
CP **CP7736-2**	With 2" (51mm) Extended Anvil



Chicago Pneumatic 2 YEAR LIMITED WARRANTY

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

Item No.	Description
CP **CP734H**	1/2" Dr. Heavy-Duty Impact Wrench
CP **CP734HK***	Imperial Sockets: 1/2", 5/8", 3/4", 7/8" & 15/16"
CP **CP734HM***	Metric Sockets: 14, 16, 17, 19 & 22mm

**** Kits include** CP **CP734 - 1/2" Impact Wrench***



Chicago Pneumatic

1/2 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP726H**

For 1/2" Drive Air Impact Wrench Specifications see page 226-227.



EVERCRAFT

1/2 IN. DR. AIR IMPACT WRENCH

BK **776-6634**



Chicago Pneumatic

1/2 IN. DR. ULTRA COMPACT STUBBY IMPACT WRENCH

CP **CP7732**



Chicago Pneumatic

1/2 IN. DR. MINI IMPACT WRENCH

CP **CP7739**



Chicago Pneumatic

1/2 IN. DR. TORQUE LIMITED IN FORWARD AND EXTREME TORQUE IN REVERSE IMPACT WRENCH

CP **CP7748TL-2**

Ingersoll Rand

1/2 IN. DR. HAMMERHEAD LOW-PROFILE IMPACTOOL™

IR **2025MAX**



1/2 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1123**	50-700	800	7,500	4.9	27	6.875	4.0	1/4"
NPT **6-1124**	50-700	800	7,500	4.9	27	8.75	4.4	1/4"
NPT **6-767**	40-350	550	7,500	4.7	22	8.2	5.7	1/4"
NPT **6-1070**	40-330	530	7,500	4.7	22	10.24	6.1	1/4"
NPT **6-231**	25-400	650	8,000	4.2	22	7.1	5.64	1/4"
NPT **6-232**	25-350	600	8,000	4.2	22	9.4	6.1	1/4"
NPT **6-746**	50-350	400	7,000	4	17	7.5	5.5	1/4"
NPT **6-745**	25-330	400	7,500	4	17	9.5	5.7	1/4"
NPT **6-1083**	24-450	600	10,000	4	4.5	4.25	2.2	1/4"
DEW **DWMT70773L**	925	650	7,500	5.9	20	6"	4.63 lbs	1/4"
DEW **DWMT70774**	850	600	7,300	5.1	20	5.5"	4.5 lbs	1/4"
IR **2235TiMAX**	25-200	930	8,500	6	24	7.6	4.6	1/4"
IR **2235TiMAX-2**	25-200	930	8,500	6	24	9.6	4.9	1/4"
IR **2235QTiMAX**	25-200	900	8,500	6	24	7.6	4.7	1/4"
IR **2235QTiMAX-2**	25-200	900	8,500	6	24	9.6	5.0	1/4"
IR **2135TIMAX**	50-550	780	9,800	5	24	7.35	3.95	1/4"
IR **2135Ti2MAX**	50-550	780	9,800	5	24	9.47	4.4	1/4"
IR **2135QTIMAX**	50-550	780	9,800	5	24	7.35	3.95	1/4"
IR **2135QTi2MAX**	50-550	780	9,800	5	24	9.47	4.5	1/4"
IR **2135QXPA**	50-550	780	11,000	5.8	23	7.4	4	1/4"
IR **2135QXPA-2**	50-550	780	11,000	5.8	23	9.5	4.3	1/4"
IR **232TGSL**	40-400	625	10,000	5.4	23	7.3	6	1/4"
IR **231C**	25-350	600	8,000	4.2	22	7.3	6.6	1/4"
IR **231HA**	25-350	590	8,000	4.2	22	7.3	5.8	1/4"
IR **231HA2**	25-350	590	8,000	4.2	22	9.1	6.95	1/4"

Continued on following page.

1/2 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS, CONTINUED

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
CP **CP7748**	75-580	922	8,200	5.2	21	9.6	4.4	1/4"
CP **CP7748-2**	75-580	922	8,200	5.2	21	9.6	4.9	1/4"
CP **CP7749**	100-522	955	7,000	6.2	25	6.7	3.95	1/4"
CP **CP7749-2**	100-522	955	7,000	6.2	25	8.7	4.6	1/4"
CP **CP749**	50-450	625	6,400	5.5	22	7.0	5.5	1/4"
CP **CP749-2**	50-450	625	6,400	5.5	22	7.0	5.8	1/4"
CP **CP7736**	51-568	664	10,020	4.4	18	7.6	5.7	1/4"
CP **CP7736-2**	51-568	664	10,020	4.4	18	9.6	6.5	1/4"
CP **CP734H**	25-310	425	8,400	3.7	15	7.5	5.1	1/4"
CP **CP726H**	68-190	200	9,600	3	12	6	3.1	1/4"
BK **776-6634**	25-180	230	8,000	4	17	7	4.8	1/4"
CP **CP7739**	50-300	450	9,900	5	20	6.4	2.78	1/4"
CP **CP7732**	102-310	450	9,000	4.8	19	4.4	2.9	1/4"
CP **CP7748TL-2**	90-96	1250	8,200	5.5	22	9.8	5.3	1/4"
IR **2025MAX**	45-160	180	9,000	3.5	19	13.1	3.4	1/4"

CARLYLE NAPA

1800 FT. LBS. TORQUE

WEIGHS LESS THAN 7 LBS.



3/4 IN. DR. PRO POWER SERIES SUPER-DUTY AIR IMPACT WRENCH

- 2-Year warranty

NPT **6-1125** Impact Wrench
NPT **6-1126** Impact Wrench with 6" (152mm) Extended Anvil
NPT **6-1141** Protective Boot



DEWALT

3/4 IN. DR. IMPACT WRENCH

DEW **DWMT74271**



3/4 IN. DR. SUPER-DUTY IMPACT WRENCH

- 1-Year over the counter warranty

NPT **6-768** Impact Wrench
NPT **6-1071** With 7.25" (184mm) Extended Anvil



IR Ingersoll Rand

3/4 IN. DR. QUIET COMPOSITE TITANIUM IMPACT WRENCH

IR **2145QIMAX**



3/4 IN. DR. HEAVY-DUTY IMPACT WRENCH

- 1-Year warranty

NPT **6-769** Impact Wrench
NPT **6-1120** With 6" (152mm) Extended Anvil



IR Ingersoll Rand

3/4 IN. DR. SUPER-DUTY IMPACT WRENCH

IR **261**

For 3/4" Drive Air Impact Wrench Specifications see page 228.



Ingersoll Rand

3/4 IN. DR. IMPACT WRENCH

IR **259**



Chicago Pneumatic

3/4 IN. DR. SUPER-DUTY IMPACT WRENCH

CP **CP7763**	3/4" Dr. Super-Duty Impact Wrench
CP **CP7763-6**	With 6" (152mm) Extended Anvil



Chicago Pneumatic

3/4 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7769**	
CP **CP7769-6**	With 6" (152mm) Extended Anvil



Chicago Pneumatic

2 YEAR LIMITED WARRANTY

3/4 IN. DR. HEAVY DUTY IMPACT WRENCH

Item No.	Description
CP **CP772H**	3/4" Dr. Heavy-Duty Impact Wrench
CP **CP772H-6**	With 6" (152mm) Extended Anvil
CP **CP772HK***	Imperial Sockets: 15/16", 1", 1 1/16" & 1 1/8"
CP **CP772HM***	Metric Sockets: 24, 27, 30 & 32mm

**** Kits include** CP **CP772H - 3/4" Impact.***

3/4 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1125**	100-1,000	1,200	6,000	6.9	27	8.0	6.88	3/8"
NPT **6-1126**	100-1,000	1,200	6,000	6.9	27	16.18	8.76	3/8"
NPT **6-768**	200-900	1,100	5,500	7.0	37	8.875	11.2	3/8"
NPT **6-1071**	200-880	1,080	5,500	7.0	26	15.125	13.2	3/8"
NPT **6-769**	150-600	800	6,500	7	27	9.3	10.03	1/4"
NPT **6-1120**	150-580	730	6,500	7	27	13.56	11.41	1/4"
DEW **DWMT74271**	1,425	1,000	6,200	7	26	8"	11 lbs.	1/4"
IR **2145QiMAX**	200-900	1,350	6,300	8.5	32	8.5	7.4	1/4"
IR **261**	200-900	1,100	5,500	9.5	38	8.8	7.4	1/4"
IR **259**	200-800	1,050	6,000	8	30	8.6	8.8	1/4"
CP **CP7769**	300-1080	1,440	7,000	7.75	31	8.4	7.4	3/8"
CP **CP7769-6**	300-1080	1,440	7,000	7.75	31	16.7	8.8	3/8"
CP **CP7763**	100-950	1,200	6,300	7.5	30	8.8	11.6	3/8"
CP **CP7763-6**	100-950	1,200	6,300	7.5	30	15.0	13.9	3/8"
CP **CP772H**	150-700	1,000	4,200	6	24	9.6	10.5	3/8"
CP **CP772H-6**	150-700	1,000	4,200	6	24	15.5	11.6	3/8"

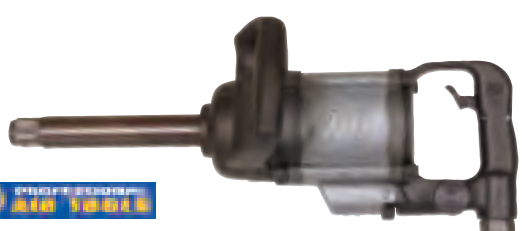
CARLYLE NAPA



1 IN. DR. PRO POWER SERIES IMPACT WRENCH W/8 IN. ANVIL

- 2-Year warranty

NPT **6-1138**



1 IN. DR. SUPER-DUTY IMPACT WRENCH W/6 IN. EXTENDED ANVIL

- 1-Year over the counter warranty

NPT **6-1078**

For 1" Drive Air Impact Wrench Specifications see page 230.



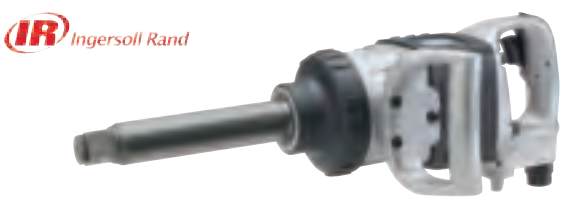
1 IN. DR. IMPACT WRENCH W/ 9 IN. ANVIL
- 1-Year warranty

NPT **6-1137**



1 IN. DR. HEAVY-DUTY IMPACT WRENCH W/ 6 IN. ANVIL

IR **280-6** 1" Dr. Heavy-Duty Impact Wrench with 6" Anvil
IR **280-S-6** With #5 Spline Drive



1 IN. DR. HEAVY-DUTY IMPACT WRENCH W/ 6 IN. ANVIL

IR **285B6**



1 IN. DR. SUPER-DUTY IMPACT WRENCH

CP **CP5000**



1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7782** 1" Dr. Heavy-Duty Impact Wrench
CP **CP7782-6** With 6" (152mm) Extended Anvil



1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7780** 1" Dr. Heavy-Duty Impact Wrench
CP **CP7780-6** With 6" (152mm) Extended Anvil



1 IN. DR. SUPER-DUTY IMPACT WRENCH

CP **CP797** 1" Dr. Super-Duty Impact Wrench
CP **CP797-6** With 6" (152mm) Extended Anvil
CP **CP797SP-6** With #5 Spline Socket Retainer



1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7640-6**



1 IN. DR. EXTREME-DUTY IMPACT WRENCH

CP **CP796**



1 IN. DR. SUPER-DUTY IMPACT WRENCH

CP **CP7776** 1" Dr. Super-Duty Impact Wrench
CP **CP7776-6** With 6" (152mm) Extended Anvil

For 1" Drive Air Impact Wrench Specifications see page 230.



Chicago Pneumatic

1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP894**



Chicago Pneumatic

1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7773**



Chicago Pneumatic

1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP7779**



Chicago Pneumatic

1 IN. DR. HEAVY-DUTY IMPACT WRENCH

CP **CP893**

1 IN. DRIVE AIR IMPACT WRENCH SPECIFICATIONS

Item No.	Working Torque (Ft./Lb.)	Max. Torque (REV) (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1138**	300-1,850	2,000	5,000	10.8	56	21.52	27.55	1/2"
NPT **6-1078**	500-1,200	1,600	4,500	7.9	56	18.375	14.8	1/2"
NPT **6-1137**	650-1,600	1,600	4,000	12	56	22	25.74	1/2"
IR **280-6**	150-1,000	1,600	6,000	10	55	18.5	23.8	1/2"
IR **280-S-6***	150-1,000	1,600	6,000	10	55	18.5	23.8	1/2"
IR **285B6**	100-900	1,770 @ 120 PSI	5,250	10	37	20.1	87.8	1/2"
CP **CP5000**	185-2,065	2,500	3,700	13	52	22.5	30.5	1/2"
CP **CP7782**	370-1,475	2,140	5,200	10	40.7	16.7	22	1/2"
CP **CP7782-6**	370-1,475	2,140	5,200	10	40.7	16.7	25	1/2"
CP **CP7780**	260-1,400	1,700	5,000	12	49.8	13.2	15	1/2"
CP **CP7780-6**	260-1,400	1,700	5,000	12	49.8	19.3	17	1/2"
CP **CP797**	150-900	1,400	4,200	10	40	15.5	27.0	1/2"
CP **CP797-6**	150-900	1,400	4,200	10	40	22.2	29.8	1/2"
CP **CP797SP-6***	150-900	1,400	4,200	10	40	22.2	29.8	1/2"
CP **CP7640-6**	150-900	1,400	4,200	10	40	22.3	29.8	1/2"
CP **CP796**	300-1,400	2,000	4,100	13	52	9.5	20	1/2"
CP **CP7776**	704-1,528	1,770	5,000	8.2	33	11.4	24.7	1/2"
CP **CP7776-6**	704-1,528	1,770	5,000	8.2	33	17.6	27.8	1/2"
CP **CP894**	300-1,200	1,700	4,100	11.2	45	11.8	25	1/2"
CP **CP7779**	300-1,080	1,440	7,000	7.75	31	8.4	7.4	3/8"
CP **CP7773**	100-950	1,200	6,300	7.5	30	8.8	12.1	3/8"
CP **CP893**	200-710	1,400	4,400	10.2	41	11.5	23	1/2"

**** # 5 Spline***



1/4 IN. DR. MINI AIR RATCHET

- 1-Year warranty

NPT **6-1129**



Ingersoll Rand

1/4 IN. DR. AIR RATCHET

IR **1105MAXD2**



1/4 IN. DR. SUPER-DUTY PALM AIR RATCHET

- 1-Year warranty

NPT **6-1131**



Ingersoll Rand

1/4 IN. DR. STUBBY AIR RATCHET

IR **105D2**

For 1/4" Drive Air Impact Air Ratchet Specifications see page 231.



1/4 IN. DR. SUPER-DUTY AIR RATCHET
CP **CP826**



1/4 IN. DR. HEAVY-DUTY AIR RATCHET
CP **CP7823**



1/4 IN. DR. HEAVY-DUTY AIR RATCHET
CP **CP825**



1/4 IN. DR. STANDARD-DUTY AIR RATCHET
CP **CP824**

1/4 IN. DRIVE AIR RATCHET SPECIFICATIONS

Item No.	Torque Range Average (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1129**	5-25	270	3.22	12	7.36	1.30	1/4"
NPT **6-1131**	5-20	350	3.08	12	5.12	1.01	1/4"
IR **1105MAXD2**	30	300	3.5	20	7.36	1.4	1/4"
IR **105D2**	25	250	3	18	7.3	1.4	1/4"
CP **CP826**	5-15	250	3.5	14	8.0	1.12	1/4"
CP **CP825**	5-15	200	2.7	11	6.5	1.87	1/4"
CP **CP7823**	5-15	250	4.5	18	6.7	1.21	1/4"
CP **CP824**	4-12.5	220	3.7	15	7.7	1.12	1/4"



3/8 IN. DR. PRO POWER AIR RATCHET
- Full cage gearing for added torque
- 2-Year warranty

NPT **6-1127**



3/8 IN. DRIVE AIR RATCHET
DEW **DWMT70776L**



3/8 IN. DR. PRO POWER IMPACTING AIR RATCHET
- Reactionless design adsorbs kick back
- 2-Year warranty

NPT **6-1132**



3/8 IN. DR. AIR RATCHET
IR **107XPA**



3/8 IN. DR. SUPER-DUTY AIR RATCHET
- 1-Year warranty

NPT **6-724**



3/8 IN. DR. SUPER-DUTY QUIET AIR RATCHET
CP **CP7830Q**



3/8 IN. DR. AIR RATCHET
- 1-Year warranty

NPT **6-1082**



3/8 IN. DR. HEAVY-DUTY AIR RATCHET
CP **CP828** 3/8" Dr. Heavy-Duty Air Ratchet
CP **CP828K** Includes *CP* **CP828** and Imperial Sockets: 3/8", 7/16", 1/2", 9/16" & 5/8"
CP **CP828M** Includes *CP* **CP828** and Metric Sockets: 10, 13, 14, 16 & 17mm

For 3/8" Drive Air Ratchet Specifications see page 232.



Chicago Pneumatic

3/8 IN. DR. STANDARD-DUTY AIR RATCHET

CP **CP886**



Chicago Pneumatic

3/8 IN. DR. STANDARD-DUTY AIR RATCHET

CP **CP824T**



Chicago Pneumatic

3/8 IN. DR. SUPER-DUTY AIR RATCHET

CP **CP826T**

EVERCRAFT DIY



3/8 IN. DR. AIR RATCHET

- 1-Year warranty

BK **776-6108**



Chicago Pneumatic

3/8 IN. DR. HEAVY-DUTY AIR RATCHET

CP **CP825T**

CARLYLE (NAPA)

WEIGHS LESS THAN 1.5 LBS.



3/8 IN. DR. HIGH-TORQUE MINI AIR RATCHET

- Exceptionally powerful yet compact
- 2-Year warranty

NPT **6-1130**

3/8 IN. DRIVE AIR RATCHET SPECIFICATIONS

Item No.	Torque Range Average (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1127**	30-100	200	4.9	27	12.4	3.39	1/4"
NPT **6-1132**	5-55	300	4.06	23	11.42	3.12	1/4"
NPT **6-724**	5-70	200	4	22	10.3125	2.5	1/4"
NPT **6-1082**	5-70	170	3.9	21	10.24"	2.65	1/4"
DEW **DWMT70776L**	65	180	4	22	12.5"	2.51 lbs	1/4"
IR **107XPA**	54	160	4	19	11	2.75	1/4"
CP **CP7830Q**	10-90	190	5.0	21	12	2.7	1/4"
CP **CP828**	10-50	150	3.7	15	10	2.4	1/4"
CP **CP886**	10-50	160	4.2	17	10.2	2.6	1/4"
CP **CP826T**	5-15	250	3.5	14	8.0	1.12	1/4"
CP **CP825T**	5-15	200	2.7	11	6.5	1.87	1/4"
CP **CP824T**	4-12.5	220	3.7	15	7.7	1.12	1/4"
BK **776-6108**	5-45	160	4	22	8.9	2.8	1/4"
NPT **6-1130**	5-38	270	3.5	21	7.48	1.37	1/4"

CARLYLE (NAPA)

WEIGHS LESS THAN 3.5 LBS.



1/2 IN. DR. PRO POWER AIR RATCHET

- Full cage gearing for added torque and durability
- 2-Year warranty

NPT **6-1128**

IR Ingersoll Rand



1/2 IN. DR. AIR RATCHET

IR **1077XPA**

IR Ingersoll Rand



1/2 IN. DR. AIR RATCHET

IR **1099XPA**

Chicago Pneumatic



1/2 IN. DR. SUPER-DUTY QUIET AIR RATCHET

CP **CP7830HQ**

For 1/2" Drive Air Ratchet Specifications see page 233.

Chicago Pneumatic

2 YEAR LIMITED WARRANTY



1/2 IN. DR. HEAVY-DUTY AIR RATCHET

CP **CP828H** 1/2" Dr. Heavy-Duty Air Ratchet
CP **CP828HM** Includes *CP* **CP828H** and Metric Sockets: 10, 13, 14, 16 & 17mm

Chicago Pneumatic



1/2 IN. DR. STANDARD-DUTY AIR RATCHET

CP **CP886H**

1/2 IN. DRIVE AIR RATCHET SPECIFICATIONS

Item No.	Torque Range Average (Ft./Lb.)	Free Speed RPM	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1128**	30-100	200	4.9	29	12.4	3.42	1/4"
IR **1099XPA**	76	220	4	24	12	3.3	1/4"
IR **1077XPA**	54	160	4	19	11	2.75	1/4"
CP **CP7830HQ**	10-90	190	5	21	12	2.7	1/4"
CP **CP828H**	10-50	150	3.7	15	10	2.4	1/4"
CP **CP886H**	10-50	160	4.2	17	10.2	2.6	1/4"



HEAVY-DUTY LONG-BARREL AIR HAMMER

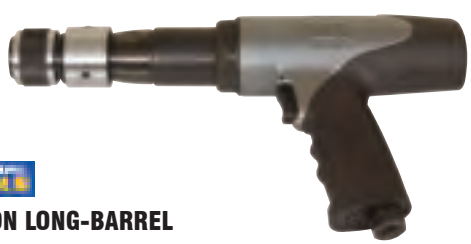
NPT **6-1012** Heavy-Duty Long-Barrel Air Hammer
NPT **6-5124** Replacement Quick-Change Chisel Retainer



Ingersoll Rand

VIBRATION REDUCED LONG-BARREL AIR HAMMER

IR **118MAX** Vibration Reduced Long-Barrel Air Hammer
IR **118MAXK** *IR* **118MAX** Air Hammer, Quick Change Retainer, 5-piece Chisel Set and Case



ANTI-VIBRATION LONG-BARREL AIR HAMMER

NPT **6-1080**



Ingersoll Rand

VIBRATION REDUCED SHORT-BARREL AIR HAMMER

IR **122MAX** Vibration Reduced Short-Barrel Air Hammer
IR **122MAXK** *IR* **122MAX** Air Hammer, Quick Change Retainer, 5-piece Chisel Set and Case



DEWALT

AIR CHISEL HAMMER

Includes 3 Chisels
DEW **DWMT70785**



Chicago Pneumatic

HEAVY-DUTY AIR HAMMER

CP **CP7150** 0.401 Round Shank
CP **CP7150K** 0.401 Round Shank Kit

For Air Hammer Specifications see page 234.

Chicago Pneumatic



HEAVY-DUTY PISTOL-GRIP AIR HAMMER

CP **CP7110** Heavy-duty Pistol-Grip Air Hammer
CP **CP7110 Kit** Kit includes: *CP* **CP7110** Hammer, Posi-lock Retainer and (4) Chisels

Chicago Pneumatic



STANDARD-DUTY AIR HAMMER

Item No.	Description
CP **CP7111**	0.401 Round Shank
CP **CP7111H**	0.401 Hex Shank
CP **CP7111HK**	0.401 Hex Shank Kit
CP **CP7111K**	0.401 Round Shank Kit

Chicago Pneumatic

2 YEAR LIMITED WARRANTY



SUPER-DUTY AIR HAMMER

CP **CP717** 0.498 Round Shank
CP **CP717K** 0.498 Round Shank Kit

Chicago Pneumatic

2 YEAR LIMITED WARRANTY



SUPER-DUTY PISTOL-GRIP AIR HAMMER

CP **CP714** Super-Duty Pistol-Grip Air Hammer
CP **CP714 Kit** Kit includes: *CP* **CP714** Hammer and (4) Chisels



MEDIUM-DUTY AIR HAMMER

Item No.	Description
NPT **6-1020**	Air Hammer
NPT **6-1010**	Kit includes: *NPT* **6-1020** Air Hammer, *NPT* **6-5090** Deluxe Panel Cutter, *NPT* **6-5130** Safety Chuck Holder, *NPT* **6-5040** Cold Chisel, *NPT* **6-5030** Tapered Punch and *NPT* **6-5020** Ripping Tool



EVERCRAFT DIY

AIR HAMMER

BK **776-9275**

AIR HAMMER SPECIFICATIONS

Item No.	Chisel Rivet Set Shank (In.)	Bore & Stroke (In.)	Blows Per Minute	Cold Rivet Cap. (Dural)	Cold Rivet Cap. (Steel)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1012**	0.401	3/4 x 3 3/4	2,200	1/4	1/4	17	10.625	5.66	1/4"
NPT **6-1080**	0.401	3/4 x 3 1/2	2,000	1/4	1/4	14	10.49	4.5	1/4"
DEW **DWMT70785**	.401"	3/4"	2,600	1/4"	1/4"	7	6.7"	3.5 lbs	1/4"
IR **118MAX**	0.40	3/4 x 3 1/2	2,500	—	—	11.6	10.5	4.6	1/4"
IR **122MAX**	0.401	3/4 x 2.63	3,500	—	—	11.6	8.6	4.0	1/4"
CP **CP7150**	0.401	3/4 x 3 1/2	2,300	1/4	3/16	6.25	8.9	4.2	1/2"
CP **CP7110**	0.401	3/4 x 2.63	3,200	1/4	3/16	14.6	9.0	3.7	1/4"
CP **CP7111**	0.401	3/4 x 2.63	3,000	1/4	3/16	6.25	6.7	3.5	1/4"
CP **CP7111H**	0.401	3/4 x 2.63	3,000	1/4	3/16	6.25	6.7	3.5	1/4"
CP **CP717**	0.498	3/4 x 2.69	1,800	1/4	1/4	6.25	7.5	4.4	1/4"
CP **CP714**	0.401	9/16 x 3.1	2,000	1/4	3/16	8.5	6.7	3.3	1/4"
NPT **6-1020**	0.401	11/16 x 2 5/8	3,500	1/4	1/4	15	6.75	4.0	1/4"
BK **776-9275**	0.401	11/16 x 2 5/8	3,500	1/4	3/16	17	6.9	3.5	1/4"

AIR HAMMER ACCESSORIES

PROFESSIONAL AIR TOOLS

CHUCK CHISEL HOLDER & RETAINER



NPT **6-5130**



NPT **6-5124**

NPT **6-5130** Safety Chuck Chisel Holder
NPT **6-5124** Quick Change Chisel Retainer

PROFESSIONAL AIR TOOLS

AIR HAMMER RETAINERS



NPT **6-5120**



NPT **6-5210**



NPT **6-5128**

Item No.	Description
NPT **6-5120**	Quick Change Retainer
NPT **6-5210**	Beehive Spring Retainer
NPT **6-5128**	Universal Spring Retainer



8-PC. CHISEL SET

For use in air hammer with 0.401" shank. Chisels are made of chrome molybdenum and are 7" long. Chisels are packed in a canvas pouch for protection.

NPT **6-5056**

Contents

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5090**	Deluxe Panel Cutter
NPT **6-5080**	Single Blade Panel Cutter
NPT **6-5010**	Muffler Removal Tool
NPT **6-5020**	Cut-Off and Ripping Tool
NPT **6-5220**	Wide Cold Chisel



4-PC. CHISEL SET

For use in air hammer with 0.401" shank. Chisels are made of chrome molybdenum and are 7" long. Chisels are packed in a canvas pouch for protection.

NPT **6-5055**

Contents

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5090**	Deluxe Panel Cutter





AIR HAMMER CHISELS

Item No.	Description
NPT **6-5140**	1" Smoothing Hammer
NPT **6-5190**	Angle Scraper
NPT **6-5200**	Muffler Scraper
NPT **6-5220**	Wide Cold Chisel
NPT **6-5230**	Straight Punch
NPT **6-5010**	Muffler Removal Tool
NPT **6-5090**	Deluxe Panel Cutter

Item No.	Description
NPT **6-5030**	Tapered Punch
NPT **6-5040**	Cold Chisel
NPT **6-5050**	Special Cold Chisel
NPT **6-5060**	Spot Weld Buster
NPT **6-5080**	Single Blade Panel Cutter
NPT **6-5020**	Cutoff & Ripping Tool
NPT **6-5100**	Double Blade Panel Cutter

Item No.	Description
NPT **6-5270**	Tie Rod Separator
NPT **6-5280**	Ball Joint Separator
NPT **6-5290**	Tie Rod Sleeve Breaker
NPT **6-5320**	Outside Muffler Cutter
NPT **6-5330**	Inside Muffler Cutter



1/4 IN. EXTENDED HEAVY-DUTY DIE GRINDER
NPT **6-1052**

Chicago Pneumatic

2 YEAR LIMITED WARRANTY



HEAVY-DUTY 6 IN. EXTENDED SHANK DIE GRINDER
CP **CP860ES**

DEWALT



1/4 IN. STRAIGHT DIE GRINDER
DEW **DWMT70783**

Chicago Pneumatic

2 YEAR LIMITED WARRANTY



HEAVY-DUTY DIE GRINDER
CP **CP860**



1/4 IN. MEDIUM DIE GRINDER
NPT **6-754**

Chicago Pneumatic



STANDARD-DUTY DIE GRINDER
CP **CP872**



EVERCRAFT

FULL-SIZE DIE GRINDER
BK **776-0230**

Chicago Pneumatic



MINI DIE GRINDER
CP **CP876**

Chicago Pneumatic



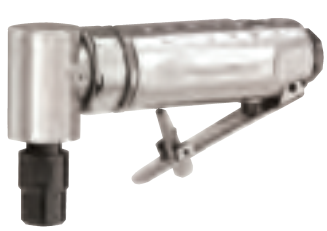
IN-LINE COMPACT DIE GRINDER
CP **CP9105Q-B**



1/4 IN. MINI RIGHT ANGLE DIE GRINDER

Item No.	Description
NPT **6-755**	Die Grinder
NPT **6-761**	27-Pc. Die Grinder Kit includes: *NPT* **6-755** 1/4 In. Mini Right Angle Die, 4 Pc. 2" Surface Sanding Disc, 4 Pc. 3" Surface Sanding Disc, 2" Roloc® Disc Holder, 3" Roloc® Disc Holder, 2 Pc. 1/4" Disc Holder Shank, 1/8" Collet, 2 Pc. Spanner Wrench, 5 Pc. 1/4" Shank Mounted Stone Set, 5 Pc. 1/8" Shank Mounted Stone Set and Blow Mold Case

IR Ingersoll Rand



1/4 IN. COLLET ANGLE DIE GRINDER
IR **301B**

Chicago Pneumatic



90-DEGREE COMPACT ANGLE DIE GRINDER
CP **CP9106Q-B**

For Die Grinder Specifications see page 237.



Chicago Pneumatic

MINI ANGLE DIE GRINDER

Item No.	Description
CP **CP875**	Mini Angle Die Grinder
CP **CP875 Kit**	Kit includes: *CP* **CP875** Grinder, 2" (51mm) Backing Pad, (2) 2" (51mm) Coarse Surface Prep Pad, (2) 2" (51mm) Medium Surface Prep Pad, (2) 2" (51mm) Fine Surface Prep Pad, (2) 2" (51mm) 50 Grit Sanding Disc, (2) 2" (51mm) 36 Grit Sanding Disc and (2) 2" (51mm) 24 Grit Sanding Disc



Chicago Pneumatic

PISTOL-GRIP DIE GRINDER

CP **CP9107**



EVERCRAFT DIY

RIGHT-ANGLE DIE GRINDER

BK **776-0232**



Chicago Pneumatic

120-DEGREE ANGLE COMPACT DIE GRINDER

CP **CP9108Q-B**



1/4 IN. 115-DEGREE DIE GRINDER W/ ROLOC PAD

NPT **6-1016**



Chicago Pneumatic

COMPACT PENCIL GRINDER

Item No.	Description
CP **CP9104Q**	Compact Pencil Grinder
CP **CP9104QK**	Kit includes: *CP* **CP9104Q** Pencil Grinder, (5) Mounted points 3mm, (5) Carbide burrs 3mm, 1/8"/3mm Collets and 2.4mm Collet

DIE GRINDER SPECIFICATIONS

Item No.	Wheel/Collet Max. Capacity (In.)	Free Speed RPM	Power (HP)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1052**	1/4	20,000	1	4.5	18	13.1	2.16	1/4"
CP **CP860ES**	1/4	24,000	0.5	11.5	23	11.7	2.1	1/4"
DEW **DWMT70783**	1/4" and 1/8" Collets	25,000	1/2"	4	15	6"	1.24"	1/4"
CP **CP860**	1/4	24,000	0.5	10.5	21	5.7	1.26	1/4"
NPT **6-754**	1/4	22,000	0.50	4	15	6.75	1.25	1/4"
CP **CP872**	1/4	22,000	0.40	13	26	5.75	1.25	1/4"
BK **776-0232**	1/4	20,000	1/4	4	15	6.25	1.25	1/4"
CP **CP876**	1/4	30,000	0.3	12	24	4.8	0.75	1/4"
CP **CP9105Q-B**	1/4	28,000	0.32	4.3	8.6	6.4	0.8	1/4"
NPT **6-755**	1/4	22,000	0.50	3	14	6.3125	1.1	1/4"
IR **301B**	1/4	21,000	.25	6	25	5.27	1.02	1/4"
CP **CP9106Q-B**	1/4	23,000	0.28	4.4	8.7	4.7	1.5	1/4"
CP **CP875**	1/4	22,500	0.3	11	24	4.9	1.1	1/4"
BK **776-0232**	1/4	20,000	1/4	4	15	6.25	1.25	1/4"
NPT **6-1016**	1/4	20,000	1/3	3	14	6.625	1.1	1/4"
CP **CP9107**	1/4	17,000	0.20	8	16	4.7	1.5	1/4"
CP **CP9108Q-B**	1/4	23,000	0.28	4.0	8.0	6.7	1.5	1/4"
CP **CP9104Q**	1/8	60,000	0.05	3.5	7	5.2	0.44	1/4"

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7 IN. HEAVY-DUTY ANGLE GRINDER

CP **CP9123**



Chicago Pneumatic

4 IN. HEAVY-DUTY ANGLE GRINDER

CP **CP9120CRN**



Chicago Pneumatic

7 IN. HEAVY-DUTY ANGLE GRINDER

CP **CP857**



2 IN. MINI ANGLE GRINDER

NPT **6-1028**



Chicago Pneumatic

2 IN. ANGLE GRINDER

Item No.	Description
CP **CP7500D**	Includes 2" Angle Grinder/ Cut-off Tool, 80 Grit Grinding wheel, 120 Grit Grinding Wheel, (2) Cut-off Wheels
CP **CP7500DK**	Kit includes: 2" (51mm) Angle Grinder/Cut-off Tool, (3) 2" (51mm) Grinding Wheel 60 Grit, (3) 2" (51mm) Grinding Wheel 80 Grit, (3) 2" (51mm) Grinding Wheel 120 Grit, (5) 2" (51mm) Cutting Wheel, Pin Wrench, Spanner and Protective glasses



ANGLE GRINDER SPECIFICATIONS

Item No.	Wheel/Collet Max. Capacity (In.)	Free Speed RPM	Power (HP)	Spindle Thread (In.)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
CP **CP9123**	7	7,500	1.12	5/8-11	12	24	13.4	7.5	1/2"
CP **CP857**	7	7,500	1.25	5/8-11	12	24	13.1	6.2	1/4"
CP **CP9120CRN**	4	12,000	0.8	3/8-24	11.7	23.3	9.3	4.2	1/4"
NPT **6-1028**	2	19,000	0.3	M6 x 1.0mm	2.6	10	5.70	1.2	1/4"
CP **CP7500D**	2	20,000	0.2	3/8-24	1.9	3.8	5.5	1.2	1/4"

EVERCRAFT



ELECTRIC ENGRAVER

Ideal for decorative engraving or adding security by personalizing your valuables, to protect against theft. Perfect for engraving or personalizing metal, plastic, glass, ceramics, wood and leather. Engraving bit is made of long lasting Tungsten carbide tipped steel. 120 Volt AC (.2 Amp Current Draw). 3,600 Strokes per minute. 6 Ft. power cord.

BK **776-8084**



Chicago Pneumatic

STANDARD ENGRAVING PEN

CP **CP710**

Specifications

Strokes per Min. 14,000
Average Air Cons. (cfm) 0.6
Air Cons. @ Load (cfm) 2.5
Overall Length (In.) 5.2
Net Weight (Lb.) 1.1
Air Inlet NPTF ..... 1/4"
Hose Int. (In.) ..... 1/4"



ENGRAVER

Use vibro engraver to permanently identify valuables. Carbide tip engraves multiple materials including metal, plastic, wood and glass. Variable speed knob controls depth of engraving. Operates on standard AC power. Power Source: 115 VAC.

SER **2520**



3 IN. UTILITY CUT-OFF TOOL

NPT **6-3802** Utility Cut-Off Tool
NPT **6-2090** Spark Guard



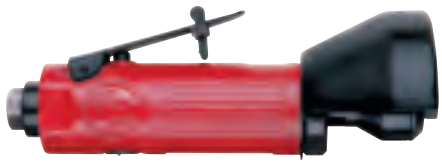
4 IN. EXTENDED CUT-OFF TOOL

CP **CP9116**



3 IN. HEAVY-DUTY REVERSIBLE CUT-OFF TOOL

NPT **6-1038**



STANDARD-DUTY HIGH-SPEED CUTTER

CP **CP874**



CUT-OFF TOOL

DEW **DWMT70784**



3 IN. CUT-OFF TOOL W/GUARD

BK **776-0233**



HEAVY-DUTY HIGH-SPEED CUTTER

CP **CP861**

CUT-OFF TOOL SPECIFICATIONS

Item No.	Chuck/Wheel Size (In.)	Free Speed RPM	Average Air Cons. (cfm)	At Load (cfm)	Overall Length (In.	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-3802**	3	22,000	4	25	7.375	1.74	1/4"	3/8"
NPT **6-1038**	3	18,000	3.6	20	8.3	2	1/4"	3/8"
DEW **DWMT70784**	3"	22,000	4	25	7"	2 lbs.	**1/4"**	**3/8"**
CP **CP9116**	4	1,4000	4	4	14.75	3.7	1/4"	3/8"
CP **CP874**	2 7/8	22,000	3.1	12.5	7.2	1.7	1/4"	3/8"
BK **776-0233**	3	20,000	4	25	7.375	1.67	1/4"	3/8"
CP **CP861**	2 7/8	20,000	2.1	8.5	7.8	1.6	1/4"	3/8"



ANTI-VIBRATION AIR SAW

NPT **6-1044** Air Saw
NPT **6-5650** Replacement Blades pack of 10



HIGH-SPEED AIR SAW

NPT **6-1013** High-Speed Air Saw - 10,000 Strokes/Min.
NPT **6-5650** Replacement Blades pack of 10

For Reciprocating Air Saw Specifications see page 240.

Chicago Pneumatic



HEAVY-DUTY RECIPROCATING SAW

Item No.	Description
CP **CP7901**	Heavy-Duty Reciprocating Saw
CP **CP7901K**	Kit includes: Heavy-duty Saw *CP* **CP7901**, (5) Each 18T, 24T, 32T Blades and Swivel Inlet in a Heavy-duty Case

Chicago Pneumatic



STANDARD-DUTY RECIPROCATING SAW

CP **CP7900**

Chicago Pneumatic



2 YEAR LIMITED WARRANTY

HEAVY-DUTY RECIPROCATING SAW

CP **CP881**



MINI HIGH-SPEED AIR SAW

NPT **6-1018** Mini Air Saw - 7,000 Strokes/Min.

NPT **6-5650** Replacement Blades, pack of 10

RECIPROCATING AIR SAW SPECIFICATIONS

Item No.	Strokes Per Min.	Stroke (In.)	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-1044**	9,500	1.1	0.96	5	9.3	1.5	1/4"	3/8"
NPT **6-1013**	10,000	0.3	1.0	3	9.75	1.8	1/4"	3/8"
CP **CP7901**	10,000	1	1.4	5.5	9.0	1.9	1/4"	3/8"
CP **CP881**	9,500	3/8	1.5	6.0	8.5	1.6	1/4"	3/8"
CP **CP7900**	10,000	3/8	1.4	5.5	8.6	1.3	1/4"	3/8"
NPT **6-1018**	7,500	0.1	.7	3	7.625	0.9	1/4"	3/8"



HEAVY-DUTY AIR METAL SHEARS

NPT **6-701**

Chicago Pneumatic



2 YEAR LIMITED WARRANTY

HEAVY-DUTY AIR PISTOL SHEARS

CP **CP785S**

AIR SHEARS SPECIFICATIONS

Item No.	Strokes Per Minute	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-701**	2,800	4	17	8.25	2.8	1/4"	3/8"
CP **CP785S**	2,400	3.7	15	9.0	1.9	1/4"	3/8"



HEAVY-DUTY AIR NIBBLER

NPT **6-711**

Chicago Pneumatic



HEAVY-DUTY AIR NIBBLER

CP **CP835**

AIR NIBBLER SPECIFICATIONS

Item No.	Strokes Per Minute	Average Air Cons. (cfm)	Air Cons. @ Load (cfm)	Overall Length (in.)	Net Weight (Lb.)	Air Inlet NPTF	Hose Int. (In.)
NPT **6-711**	2,600	4	17	8	2.07	1/4"	3/8"
CP **CP835**	2,750	4.2	17	8.5	1.3	1/4"	3/8"



PISTOL-GRIP AIR NEEDLE SCALER
NPT **6-1050** Pistol-Grip Needle Scaler
NPT **6-9020** Set of 19 7" long Needles



AIR NEEDLE SCALER
IR **125**



PISTOL-GRIP NEEDLE SCALER
CP **CP7125**



GENERAL-PURPOSE AIR NEEDLE SCALER/CHISEL
CP **CP7120**



STRAIGHT AIR NEEDLE SCALER
NPT **6-1061** Straight Needle Scaler
NPT **6-9130** Set of 12 5" long Needles



COMPACT STRAIGHT NEEDLE SCALER
CP **CP7115**

AIR NEEDLE SCALER SPECIFICATIONS

Item No.	Bore and Stroke (In.)	Blows per Minute	Chisel Rivet Set Shank (In.)	Air Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
NPT **6-1050**	3/4" x 1 5/8	4,500	0.401	17	12.5	4.9	1/4"
CP **CP7125**	1 x 1.3	4,000	N/A	18.4	12.8	6.2	1/4"
NPT **6-1061**	3/4" x 1 5/8	4,000	—	15	11.375	3.3	1/4"
IR **125**	1	4,600	—	15	18.3	6.2	1/4"
CP **CP7120**	1 x 1.1	4,800	0.498	15	18.0	6.2	1/4"
CP **CP7115**	.5 x 1.3	4,000	N/A	16.4	11.4	2.9	1/4"



1/4 IN. REVERSIBLE MINI AIR DRILL
NPT **6-1017**



1/4 IN. MINI REVERSIBLE COMPACT AIR DRILL
CP **CP7300RQC**



1/4 IN. MINI REVERSIBLE COMPACT AIR DRILL

Item No.	Description
CP **CP7300**	1/4" Mini Compact Air Drill
CP **CP7300R**	1/4" Mini Reversible Compact Air Drill
CP **CP7300K**	Kit includes: *CP* **CP7300R** Drill and Drill Bits 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", and 1/4"

For 1/4" Air Drill Specifications see page 242.

1/4 IN. AIR DRILL SPECIFICATIONS

Item No.	Chuck Capacity (In.)	Spindle Thread	Free Speed RPM	Power (HP)	Max. Torque (Ft./Lb.)	Average AIR Cons. (cfm)	AIR Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	AIR Inlet NPTF
NPT **6-1017**	1/4"	3/8"-24	2,800	0.26	1.75	4.1	17	6	1.2	1/4"
CP **CP7300**	1/4"	3/8"-24	2,800	0.3	2.4	4.1	16.4	5	1.35	1/4"
CP **CP7300R**	1/4"	3/8"-24	2,700	0.27	2.2	4.1	16.4	5	1.35	1/4"
CP **CP7300RQC**	1/4"	3/8"-24	2,700	0.27	2.2	4.1	16.4	5	1.35	1/4"



CARLYLE NAPA

3/8 IN. PRO POWER SERIES AIR DRILL WITH JACOBS® INDUSTRIAL KEYLESS CHUCK
NPT **6-1134**



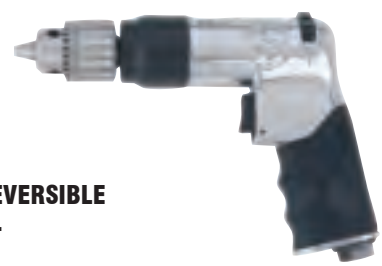
Chicago Pneumatic

2 YEAR LIMITED WARRANTY

3/8 IN. SUPER-DUTY REVERSIBLE PISTOL-GRIP AIR DRILL
CP **CP789R-42**



3/8 IN. REVERSIBLE HEAVY-DUTY AIR DRILL
NPT **6-789**



Chicago Pneumatic

2 YEAR LIMITED WARRANTY

3/8 IN. SUPER-DUTY REVERSIBLE PISTOL-GRIP AIR DRILL
CP **CP789R-26**



DEWALT

3/8 IN. DR. KEYLESS CHUCK REVERSIBLE DRILL
DEW **DWMT70786L**



Chicago Pneumatic

2 YEAR LIMITED WARRANTY

3/8 IN. STANDARD-DUTY PISTOL-GRIP AIR DRILL
CP **CP785** 3/8" Standard-duty Pistol-grip Air Drill
CP **CP785QC** With Keyless Chuck



IR Ingersoll Rand

3/8 IN. PISTOL-GRIP AIR DRILL
IR **7802RA** 3/8" Pistol-Grip Air Drill
IR **7802RAKC** With Keyless Chuck



EVERCRAFT

3/8 IN. REVERSIBLE AIR DRILL
BK **776-9264**

For 3/8" Air Drill Specifications see page 243.

CARLYLE NAPA

3/8 IN. PRO POWER SERIES RIGHT ANGLE AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-1135**



Chicago Pneumatic

3/8 IN. STANDARD-DUTY ANGLE AIR DRILL

CP **CP879**



3/8 IN. REVERSIBLE RIGHT-ANGLE AIR DRILL

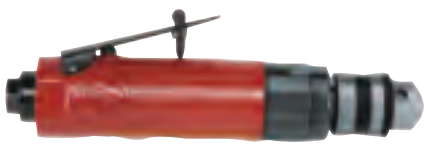
NPT **6-787**



Chicago Pneumatic

3/8 IN. STANDARD-DUTY IN-LINE AIR DRILL

CP **CP887**



3/8 IN. AIR DRILL SPECIFICATIONS

Item No.	Chuck Capacity (In.)	Spindle Thread	Free Speed RPM	Power (HP)	Max. Torque (Ft./Lb.)	Average AIR Cons. (cfm)	AIR Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	AIR Inlet NPTF
NPT **6-1134**	3/8	3/8"-24	1,800	0.5	3.2	4	17	7.48	2.76	1/4"
NPT **6-789**	3/8	3/8"-24	1,800	0.5	3.2	4	17	7	2.6	1/4"
DEW **DWMT70786L**	3/8"	3/8"	2,100	.3	2.4	3.6	16	5"	2.6 lbs	1/4"
IR **7802RA**	3/8	—	2,000	0.5	—	4	26	7.8	2.9	1/4"
IR **7802RAKC**	3/8	—	2,000	0.5	—	4	26	8.7	3.3	1/4"
CP **CP789R-42**	3/8	3/8"-24	4,200	0.5	1.9	7.5	30	7	2.5	1/4"
CP **CP789R-26**	3/8	3/8"-24	2,600	0.5	3.1	7.5	30	7	2.5	1/4"
CP **CP785**	3/8	3/8"-24	2,400	0.5	3.1	4.1	16.5	7	2.3	1/4"
BK **776-9264**	3/8	3/8"-24	1,800	0.5	3.2	3.5	17	7.76	2.42	1/4"
NPT **6-1135**	3/8	3/8"-24	1,400	0.5	3.5	4	17	8.46	2.58	1/4"
NPT **6-787**	3/8	3/8"-24	1,600	0.5	3.2	4	17	6.25	2.3	1/4"
CP **CP879**	3/8	3/8"-24	1,800	0.27	3.3	5.3	21	8.3	2.3	1/4"
CP **CP887**	3/8	3/8"-24	2,700	0.5	3.9	6.8	27	8	2.3	1/4"

CARLYLE NAPA

challenger™

1/2 IN. PRO POWER SERIES AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-1136**



IR Ingersoll Rand

1/2 IN. PISTOL-GRIP AIR DRILL

IR **7803A** 1/2" Pistol-Grip Air Drill
IR **7803RA** Reversible



1/2 IN. REVERSIBLE HEAVY-DUTY AIR DRILL WITH JACOBS® INDUSTRIAL KEYED CHUCK

NPT **6-786**



Chicago Pneumatic

2 YEAR LIMITED WARRANTY

1/2 IN. SUPER-DUTY REVERSIBLE PISTOL-GRIP AIR DRILL

CP **CP789HR**



For 1/2" Air Drill Specifications see page 244.

Chicago Pneumatic 2 YEAR LIMITED WARRANTY

1/2 IN. STANDARD-DUTY PISTOL-GRIP AIR DRILL

CP **CP785H**



1/2 IN. AIR DRILL SPECIFICATIONS

Item No.	Chuck Capacity (In.)	Spindle Thread	Free Speed RPM	Power (HP)	Max. Torque (Ft./Lb.)	Average AIR Cons. (cfm)	AIR Cons. @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	AIR Inlet NPTF
NPT **6-1136**	1/2	1/2"-20	500	0.5	10	4	21	9.25	3.86	1/4"
NPT **6-786**	1/2	3/8"-24	400	0.5	—	4	—	7	4	1/4"
IR **7803RA**	1/2	—	500	0.5	—	4	27	8.7	3.2	1/4"
IR **7803A**	1/2	—	500	0.5	—	4	27	8.7	3.3	1/4"
CP **CP789HR**	1/2	3/8"-24	500	0.5	15.6	7.5	30	8	3.2	1/4"
CP **CP785H**	1/2	3/8"-24	500	0.5	11.3	4	16	7.7	3.0	1/4"

Chicago Pneumatic 2 YEAR LIMITED WARRANTY

ROLLER CLUTCH SCREWDRIVER

CP **CP780**



Chicago Pneumatic 2 YEAR LIMITED WARRANTY

ROLLER CLUTCH SCREWDRIVER

CP **CP782**



Chicago Pneumatic 2 YEAR LIMITED WARRANTY

ROLLER CLUTCH SCREWDRIVER

CP **CP781**



Chicago Pneumatic 2 YEAR LIMITED WARRANTY

ROLLER CLUTCH SCREWDRIVER

CP **CP783**



AIR SCREWDRIVER SPECIFICATIONS

Item No.	Free Speed RPM	Output Drive (In.)	Torque Range Min./Max. (In./Lb.)	Average Air Cons. (cfm)	Air Cons. On @ Load (cfm)	Overall Length (In.)	Net Weight (Lb.)	Air Inlet NPTF
CP **CP780**	1,800	Hex 1/4" F	25/44	4	16	8.3	2.5	1/4"
CP **CP781**	800	Hex 1/4" F	25/75	4	16	8.9	3	1/4"
CP **CP782**	1,800	Hex 1/4" F	31/44	4	16	9.6	2.5	1/4"
CP **CP783**	2,000	Hex 1/4" F	10/25	4	16	8.9	1.3	1/4"

CARLYLE NAPA

PRO POWER SERIES IMPACT WRENCH BOOTS

Item No.	Description
NPT **6-1139**	Fits 3/8" Dr. Impact Wrench *NPT* **6-1122**
NPT **6-1140**	Fits 1/2" Dr. Impact Wrench *NPT* **6-1123** and *NPT* **6-1124**.
NPT **6-1141**	Fits 3/4" Dr. Impact Wrench *NPT* **6-1125** and *NPT* **6-1126**





20 PC. AIR IMPACT & RATCHET KIT

EVERCRAFT

BK **776-1015**

Contents

Qty.	Description
1	Evercraft 1/2" Air Impact Wrench (*BK* **776-6634**)
1	Evercraft 3/8" Air Ratchet Wrench (*BK* **776-6108**)
1	10 Pc. Impact Sockets (CR-V): 1/2" Dr. 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
1	3/8" Female to 1/2" Male Impact Adapter
1	1/2" Dr. 3" Impact Extension (CR-V)
1	1/2" Dr. 3/4" x 13/16" Flip Socket
2	1/4" Air M Plug Fitting
1	Female Coupler
1	Mini In-line Oiler
1	Hex Key
1	Blow Mold Case



36 PC. AIR DRILL GRINDER & RATCHET KIT

EVERCRAFT

BK **776-1017**

Contents

Qty.	Description
1	Evercraft 3/8" Air Ratchet Wrench (*BK* **776-6108**)
1	Evercraft 3/8" Reversible Drill (*BK* **776-9264**)
1	Evercraft Full Size Die Grinder (*BK* **776-0230**)
1	13 Pc. Drill Bit Set: (2) 1/16", 5/64", (2) 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4"
1	Multi-Purpose Bit Holder
3	1/4" Air M Plug Fitting
1	4 Pc. 1/4" Mounted Grinding Stones
1	8 pc. Impact Sockets (CR-V): 3/8" Dr. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
2	Hand Wrenches
1	Female Coupler
1	Mini In-line Oiler
1	Blow Mold Case





EVERCRAFT

24 PC. CUTTING & GRINDING KIT

BK **776-1016**

Contents

Qty.	Description
1	Evercraft Right Angle Die Grinder (*BK* **776-0232**)
1	Evercraft Air Cut-Off Tool (*BK* **776-0233**)
1	Safety Glasses/Goggles
2	1/4" Air M Plug Fitting
3	3" Cut-Off Discs
1	2" Roloc Style Mounting Pad
3	Medium Grit Cleaning Surface Discs
6	Medium Grit Sanding Discs
3	Hand Wrenches
1	Female Coupler
1	Mini In-line Oiler
1	Hex Key
1	Blow Mold Case



NAPA® AIR TOOL LUBRICANT

Specially-formulated lubricating oil for air tools, cylinders and lubricators. Keeps tools running smoothly. 16 oz.

BK **765-1400**

1/4 IN. IN-LINE AIR TOOL OILER FITTING

For a clearly visible and precisely metered oil supply. Fits all pneumatic tools and is easily adapted. Pipe Thread: 1/4". Air Pressure: 90 PSI.

NPT **6-9302**



UNIVERSAL AIR INLET Z-SWIVELS

Max. Air Pressure: 90 PSI.

NPT **6-9300** 1/4"
NPT **6-9301** 1/2"



NPT **6-9300**



NPT **6-9301**

CARLYLE by NAPA



74 PC. 1/4 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT **61-0110**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1006**	3/16"
NPT **61-1007**	7/32"
NPT **61-1008**	1/4"
NPT **61-1009**	9/32"
NPT **61-1010**	5/16"
NPT **61-1011**	11/32"
NPT **61-1012**	3/8"
NPT **61-1014**	7/16"
NPT **61-1016**	1/2"
NPT **61-1018**	9/16"
NPT **61-1104**	4mm
NPT **61-1145**	4.5mm
NPT **61-1105**	5mm
NPT **61-1155**	5.5mm
NPT **61-1106**	6mm
NPT **61-1107**	7mm
NPT **61-1108**	8mm
NPT **61-1109**	9mm
NPT **61-1110**	10mm
NPT **61-1111**	11mm
NPT **61-1112**	12mm
NPT **61-1113**	13mm
NPT **61-1114**	14mm
NPT **61-1115**	15mm
Deep Sockets	
NPT **61-1206**	3/16"
NPT **61-1207**	7/32"
NPT **61-1208**	1/4"
NPT **61-1209**	9/32"
NPT **61-1210**	5/16"
NPT **61-1211**	11/32"
NPT **61-1212**	3/8"
NPT **61-1214**	7/16"
NPT **61-1216**	1/2"
NPT **61-1218**	9/16"
NPT **61-1355**	5.5mm
NPT **61-1306**	6mm
NPT **61-1307**	7mm
NPT **61-1308**	8mm
NPT **61-1309**	9mm
NPT **61-1310**	10mm
NPT **61-1311**	11mm
NPT **61-1312**	12mm
NPT **61-1313**	13mm
NPT **61-1314**	14mm
NPT **61-1315**	15mm

Item No.	Socket Size
Swivel Sockets	
NPT **61-1408**	1/4"
NPT **61-1410**	5/16"
NPT **61-1412**	3/8"
NPT **61-1414**	7/16"
NPT **61-1416**	1/2"
NPT **61-1418**	9/16"
NPT **61-1505**	5mm
NPT **61-1555**	5.5mm
NPT **61-1506**	6mm
NPT **61-1507**	7mm
NPT **61-1508**	8mm
NPT **61-1509**	9mm
NPT **61-1510**	10mm
NPT **61-1511**	11mm
NPT **61-1512**	12mm
NPT **61-1513**	13mm
NPT **61-1514**	14mm
NPT **61-1515**	15mm
Internal Star Sockets	
NPT **61-1610**	T10
NPT **61-1615**	T15
NPT **61-1620**	T20
NPT **61-1625**	T25
NPT **61-1627**	T27
NPT **61-1630**	T30
NPT **61-1802**	Extension, 2"
NPT **61-1804**	Extension, 4"
NPT **61-1806**	Extension, 6"
NPT **61-1800**	Universal Joint
NPT **61-1801**	Adapter, 1/4" F x 3/8" M



26 PC. 1/4 IN. DR. 6 PT. IMPACT SOCKET SET

NPT **61-0102**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1006**	3/16"
NPT **61-1007**	7/32"
NPT **61-1008**	1/4"
NPT **61-1009**	9/32"
NPT **61-1010**	5/16"
NPT **61-1011**	11/32"
NPT **61-1012**	3/8"
NPT **61-1014**	7/16"
NPT **61-1016**	1/2"
NPT **61-1018**	9/16"
Deep Sockets	
NPT **61-1208**	1/4"
NPT **61-1209**	9/32"
NPT **61-1210**	5/16"
NPT **61-1211**	11/32"

Item No.	Socket Size
Deep Sockets, Continued	
NPT **61-1212**	3/8"
NPT **61-1214**	7/16"
NPT **61-1216**	1/2"
NPT **61-1218**	9/16"
Swivel Sockets	
NPT **61-1408**	1/4"
NPT **61-1410**	5/16"
NPT **61-1412**	3/8"
NPT **61-1414**	7/16"
NPT **61-1416**	1/2"
NPT **61-1418**	9/16"
NPT **61-1804**	Extension, 4"
NPT **61-1801**	Adapter, 1/4" F x 3/8" M



26 PC. 1/4 IN. DR. 6 PT. IMPACT SOCKET SETS

NPT **61-0103**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-1155**	5.5mm
NPT **61-1106**	6mm
NPT **61-1107**	7mm
NPT **61-1108**	8mm
NPT **61-1109**	9mm
NPT **61-1110**	10mm
NPT **61-1111**	11mm
NPT **61-1112**	12mm
NPT **61-1113**	13mm
Deep Sockets	
NPT **61-1355**	5.5mm
NPT **61-1306**	6mm
NPT **61-1307**	7mm
NPT **61-1308**	8mm

Item No.	Socket Size
Deep Sockets, Continued	
NPT **61-1309**	9mm
NPT **61-1310**	10mm
NPT **61-1311**	11mm
NPT **61-1312**	12mm
NPT **61-1313**	13mm
Swivel Sockets	
NPT **61-1555**	5.5mm
NPT **61-1506**	6mm
NPT **61-1508**	8mm
NPT **61-1510**	10mm
NPT **61-1512**	12mm
NPT **61-1513**	13mm
NPT **61-1804**	Extension, 4"
NPT **61-1801**	Adapter, 1/4" F x 3/8" M

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA



SAE *NPT* **61-0100**



MET *NPT* **61-0104**

1/4 IN. DR. 6 PT. IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0100 10 Pc. Std. Set	*NPT* 61-0101 9 Std. Pc. Set	*NPT* 61-0104 10 Pc. Deep Set	*NPT* 61-0105 9 Pc. Deep Set
Standard Sockets					
NPT **61-1006**	3/16"	•			
NPT **61-1007**	7/32"	•			
NPT **61-1008**	1/4"	•			
NPT **61-1009**	9/32"	•			
NPT **61-1010**	5/16"	•			
NPT **61-1011**	11/32"	•			
NPT **61-1012**	3/8"	•			
NPT **61-1014**	7/16"	•			
NPT **61-1016**	1/2"	•			
NPT **61-1018**	9/16"	•			
NPT **61-1104**	4mm				
NPT **61-1145**	4.5mm				
NPT **61-1105**	5mm		•		
NPT **61-1155**	5.5mm				
NPT **61-1106**	6mm		•		
NPT **61-1107**	7mm		•		
NPT **61-1108**	8mm		•		
NPT **61-1109**	9mm		•		
NPT **61-1110**	10mm		•		
NPT **61-1111**	11mm		•		
NPT **61-1112**	12mm		•		
NPT **61-1113**	13mm		•		
NPT **61-1114**	14mm				
NPT **61-1115**	15mm				
Deep Sockets					
NPT **61-1206**	3/16"			•	
NPT **61-1207**	7/32"			•	
NPT **61-1208**	1/4"			•	
NPT **61-1209**	9/32"			•	
NPT **61-1210**	5/16"			•	
NPT **61-1211**	11/32"			•	
NPT **61-1212**	3/8"			•	
NPT **61-1214**	7/16"			•	
NPT **61-1216**	1/2"			•	
NPT **61-1218**	9/16"			•	
NPT **61-1355**	5.5mm				•
NPT **61-1306**	6mm				•
NPT **61-1307**	7mm				•
NPT **61-1308**	8mm				•
NPT **61-1309**	9mm				•
NPT **61-1310**	10mm				•
NPT **61-1311**	11mm				•
NPT **61-1312**	12mm				•
NPT **61-1313**	13mm				•
NPT **61-1314**	14mm				
NPT **61-1315**	15mm				

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



NPT **61-0106**

SAE MET

1/4 IN. DR. 6 PT. SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0106 6 Pc. Set	*NPT* 61-0107 12 Pc. Set
NPT **61-1408**	1/4"	•	
NPT **61-1410**	5/16"	•	
NPT **61-1412**	3/8"	•	
NPT **61-1414**	7/16"	•	
NPT **61-1416**	1/2"	•	
NPT **61-1418**	9/16"	•	
NPT **61-1505**	5mm		•
NPT **61-1555**	5.5mm		•
NPT **61-1506**	6mm		•
NPT **61-1507**	7mm		•
NPT **61-1508**	8mm		•
NPT **61-1509**	9mm		•
NPT **61-1510**	10mm		•
NPT **61-1511**	11mm		•
NPT **61-1512**	12mm		•
NPT **61-1513**	13mm		•
NPT **61-1514**	14mm		•
NPT **61-1515**	15mm		•



NPT **61-1706** *NPT* **61-1906**

SAE MET

1/4 IN. DR. 6 PT. MAGNETIC IMPACT SOCKETS

Item No.	Socket Size
NPT **61-1706**	3/16"
NPT **61-1707**	7/32"
NPT **61-1708**	1/4"
NPT **61-1709**	9/32"
NPT **61-1710**	5/16"
NPT **61-1711**	11/32"
NPT **61-1712**	3/8"
NPT **61-1714**	7/16"
NPT **61-1716**	1/2"

Item No.	Socket Size
NPT **61-1905**	5mm
NPT **61-1955**	5.5mm
NPT **61-1906**	6mm
NPT **61-1907**	7mm
NPT **61-1908**	8mm
NPT **61-1909**	9mm
NPT **61-1910**	10mm
NPT **61-1911**	11mm
NPT **61-1912**	12mm
NPT **61-1913**	13mm
NPT **61-1914**	14mm
NPT **61-1915**	15mm

1/4 IN. DR. INTERNAL STAR IMPACT SOCKETS

Item No.	Socket Size
NPT **61-1610**	T10
NPT **61-1615**	T15
NPT **61-1620**	T20
NPT **61-1625**	T25
NPT **61-1627**	T27
NPT **61-1630**	T30



NPT **61-1610**



12 PC. 1/4 IN., 3/8 IN. & 1/2 IN. DR. INTERNAL STAR IMPACT SOCKET SET

NPT **61-0108**

Contents

Item No.	Socket Size	Item No.	Socket Size
NPT **61-1610**	1/4" Dr., T10	*NPT* **61-3240**	3/8" Dr., T40
NPT **61-1615**	1/4" Dr., T15	*NPT* **61-3245**	3/8" Dr., T45
NPT **61-1620**	1/4" Dr., T20	*NPT* **61-3247**	3/8" Dr., T47
NPT **61-1625**	1/4" Dr., T25	*NPT* **61-3250**	3/8" Dr., T50
NPT **61-1627**	1/4" Dr., T27	*NPT* **61-3255**	3/8" Dr., T55
NPT **61-1630**	1/4" Dr., T30	*NPT* **61-5460**	1/2" Dr., T60



NPT **61-1802**

NPT **61-0600**

NPT **61-1803** *NPT* **61-1800** *NPT* **61-1801**

1/4 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-1803**	Wobble Adapter, 1/4" x 3/8"
NPT **61-3521**	Wobble Adapter, 3/8" x 1/4"
NPT **61-3522**	Wobble Adapter, 3/8" x 1/2"
NPT **61-5322**	Wobble Adapter, 1/2" x 3/8"
NPT **61-5323**	Wobble Adapter, 1/2" x 3/4"
NPT **61-0600**	5 Pc. Wobble Adapter Set. Contains (1) each *NPT* **61-1803**, *NPT* **61-3521**, *NPT* **61-3522**, *NPT* **61-5322** and *NPT* **61-5323**
NPT **61-1802**	Extension, 2"
NPT **61-1804**	Extension, 4"
NPT **61-1806**	Extension, 6
NPT **61-1800**	Universal Joint, 1/4" x 1/4"
NPT **61-1805**	Socket Drive Size Adapter, 3/8" F x 1/4" M
NPT **61-1801**	Socket Drive Size Adapter, 1/4" F x 3/8" M

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA



25 PC. 3/8 IN. DR. 6 PT. IMPACT SOCKET SET

SAE

NPT **61-0221**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-2010**	5/16"
NPT **61-2012**	3/8"
NPT **61-2014**	7/16"
NPT **61-2016**	1/2"
NPT **61-2018**	9/16"
NPT **61-2020**	5/8"
NPT **61-2022**	11/16"
NPT **61-2024**	3/4"
NPT **61-2026**	13/16"
NPT **61-2028**	7/8"
NPT **61-2030**	15/16"
NPT **61-2032**	1"

Item No.	Socket Size
Deep Sockets	
NPT **61-2210**	5/16"
NPT **61-2212**	3/8"
NPT **61-2214**	7/16"
NPT **61-2216**	1/2"
NPT **61-2218**	9/16"
NPT **61-2220**	5/8"
NPT **61-2222**	11/16"
NPT **61-2224**	3/4"
NPT **61-2226**	13/16"
NPT **61-2228**	7/8"
NPT **61-2230**	15/16"
NPT **61-2232**	1"
NPT **61-3501**	Universal Joint



NPT **61-0200**

SAE

3/8 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0201 12 Pc. Std. Set	*NPT* 61-0200 8 Pc. Std. Set
NPT **61-2010**	5/16"	•	•
NPT **61-2012**	3/8"	•	•
NPT **61-2014**	7/16"	•	•
NPT **61-2016**	1/2"	•	•
NPT **61-2018**	9/16"	•	•
NPT **61-2020**	5/8"	•	•
NPT **61-2022**	11/16"	•	•
NPT **61-2024**	3/4"	•	•
NPT **61-2026**	13/16"	•	
NPT **61-2028**	7/8"	•	
NPT **61-2030**	15/16"	•	
NPT **61-2032**	1"	•	



29 PC. 3/8 IN. DR. 6 PT. IMPACT SOCKET SET

MET

NPT **61-0222**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-2108**	8mm
NPT **61-2109**	9mm
NPT **61-2110**	10mm
NPT **61-2111**	11mm
NPT **61-2112**	12mm
NPT **61-2113**	13mm
NPT **61-2114**	14mm
NPT **61-2115**	15mm
NPT **61-2116**	16mm
NPT **61-2117**	17mm
NPT **61-2118**	18mm
NPT **61-2119**	19mm
NPT **61-2121**	21mm
NPT **61-2122**	22mm

Item No.	Socket Size
Deep Sockets	
NPT **61-2308**	8mm
NPT **61-2309**	9mm
NPT **61-2310**	10mm
NPT **61-2311**	11mm
NPT **61-2312**	12mm
NPT **61-2313**	13mm
NPT **61-2314**	14mm
NPT **61-2315**	15mm
NPT **61-2316**	16mm
NPT **61-2317**	17mm
NPT **61-2318**	18mm
NPT **61-2319**	19mm
NPT **61-2321**	21mm
NPT **61-2322**	22mm
NPT **61-3501**	Universal Joint



NPT **61-0202**

MET

3/8 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0203 13 Pc. Std. Set	*NPT* 61-0202 8 Pc. Std. Set
NPT **61-2107**	7mm	•	
NPT **61-2108**	8mm	•	
NPT **61-2109**	9mm	•	•
NPT **61-2110**	10mm	•	•
NPT **61-2111**	11mm	•	•
NPT **61-2112**	12mm	•	
NPT **61-2113**	13mm	•	•
NPT **61-2114**	14mm	•	•
NPT **61-2115**	15mm	•	•
NPT **61-2116**	16mm	•	
NPT **61-2117**	17mm	•	•
NPT **61-2118**	18mm	•	
NPT **61-2119**	19mm	•	•
NPT **61-2121**	21mm		
NPT **61-2122**	22mm		

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



NPT **61-0217**



NPT **61-0205**



NPT **61-0206**

3/8 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0217 28 Pc. Deep Set	*NPT* 61-0205 12 Pc. Deep Set	*NPT* 61-0204 8 Pc. Deep Set	*NPT* 61-0207 13 Pc. Deep Set	*NPT* 61-0206 8 Pc. Deep Set
NPT **61-2210**	5/16"	•	•	•		
NPT **61-2212**	3/8"	•	•	•		
NPT **61-2214**	7/16"	•	•	•		
NPT **61-2216**	1/2"	•	•	•		
NPT **61-2218**	9/16"	•	•	•		
NPT **61-2220**	5/8"	•	•	•		
NPT **61-2222**	11/16"	•	•	•		
NPT **61-2224**	3/4"	•	•	•		
NPT **61-2226**	13/16"	•	•			
NPT **61-2228**	7/8"	•	•			
NPT **61-2230**	15/16"	•	•			
NPT **61-2232**	1"	•	•			
NPT **61-2307**	7mm				•	
NPT **61-2308**	8mm	•			•	
NPT **61-2309**	9mm	•			•	•
NPT **61-2310**	10mm	•			•	•
NPT **61-2311**	11mm	•			•	•
NPT **61-2312**	12mm	•			•	
NPT **61-2313**	13mm	•			•	•
NPT **61-2314**	14mm	•			•	•
NPT **61-2315**	15mm	•			•	•
NPT **61-2316**	16mm	•			•	
NPT **61-2317**	17mm	•			•	•
NPT **61-2318**	18mm	•			•	
NPT **61-2319**	19mm	•			•	•
NPT **61-2321**	21mm	•				
NPT **61-2322**	22mm	•				
NPT **61-3501**	Universal Joint					
NPT **61-3500**	Adapter, 3/8" F to 1/2" M	•				
NPT **61-3503**	Extension, 3"	•				

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 11 PC. 6 PT. 3/8 IN. DR. ANSI DEEP WELL SOCKET DRAWER SET

- Six-point deep wells with recessed corners drive torque across the flats for more secure fit and long life
- Made from heavy-duty chrome molybdenum steel for maximum durability and long life with impact drivers
- Thin wall construction increases access to tight spaces
- Black oxide finish resists corrosion and increases life
- Permanent, large, laser-etched size markings for easy identification
- The IRWIN® Drawer Case is a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets.

Includes one each 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" 3/8" sockets, 1/4" hex to 3/8" square adapter, 3" extension, 6" extension and drawer storage case.

VG **1877482**

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 6 PT. 3/8 IN. DR. ANSI DEEP WELL SOCKET RAIL SET

- Six-point deep wells with recessed corners drive torque across the flats for more secure fit and long life
- Made from heavy-duty chrome molybdenum steel for maximum durability and long life with impact drivers
- Thin wall construction increases access to tight spaces
- Black oxide finish resists corrosion and increases life

Includes one each 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" 3/8 sockets and 13 position magnetic rail.

VG **1877481**

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 6 PT. 3/8 IN. DR. ANSI DEEP WELL SOCKET RAIL SET

- Six-point deep wells with recessed corners drive torque across the flats for more secure fit and long life
- Made from heavy-duty chrome molybdenum steel for maximum durability and long life with impact drivers
- Thin wall construction increases access to tight spaces
- Black oxide finish resists corrosion and increases life
- Permanent, large, laser-etched size markings for easy identification
- The magnetic storage rail features powerful rare earth magnets for secure attachment and a non-mar foam backing to protect against scratches.

Includes one each 1mm, 11mm, 12mm, 13mm, 14mm, 17mm, 18mm, 19mm sockets and 13 position magnetic rail.

VG **1882413**

CARLYLE NAPA



NPT **61-0208**

3/8 IN. DR. 6 PT. STANDARD SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0208 7 Pc. Std. Set	*NPT* 61-0210 10 Pc. Std. Set	*NPT* 61-0209 7 Pc. Std. Set
NPT **61-2610**	5/16"			
NPT **61-2612**	3/8"	•		
NPT **61-2614**	7/16"	•		
NPT **61-2616**	1/2"	•		
NPT **61-2618**	9/16"	•		
NPT **61-2620**	5/8"	•		
NPT **61-2622**	11/16"	•		
NPT **61-2624**	3/4"	•		
NPT **61-2626**	13/16"			
NPT **61-2710**	10mm		•	•
NPT **61-2711**	11mm		•	
NPT **61-2712**	12mm		•	
NPT **61-2713**	13mm		•	•
NPT **61-2714**	14mm		•	•
NPT **61-2715**	15mm		•	•
NPT **61-2716**	16mm		•	•
NPT **61-2717**	17mm		•	•
NPT **61-2718**	18mm		•	•
NPT **61-2719**	19mm		•	
NPT **61-2722**	22mm			

CARLYLE NAPA



NPT **61-0211**

3/8 IN. DR. 6 PT. DEEP SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0211 7 Pc. Deep Set	*NPT* 61-0212 10 Pc. Deep Set
NPT **61-2810**	5/16"		
NPT **61-2812**	3/8"	•	
NPT **61-2814**	7/16"	•	
NPT **61-2816**	1/2"	•	
NPT **61-2818**	9/16"	•	
NPT **61-2820**	5/8"	•	
NPT **61-2822**	11/16"	•	
NPT **61-2824**	3/4"	•	
NPT **61-2826**	13/16"		
NPT **61-2910**	10mm		•
NPT **61-2911**	11mm		•
NPT **61-2912**	12mm		•
NPT **61-2913**	13mm		•
NPT **61-2914**	14mm		•
NPT **61-2915**	15mm		•
NPT **61-2916**	16mm		•
NPT **61-2917**	17mm		•
NPT **61-2918**	18mm		•
NPT **61-2919**	19mm		•

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



NPT 61-3710 NPT 61-3810

SAE MET

3/8 IN. DR. 6 PT. MAGNETIC IMPACT SOCKETS

Item No.	Socket Size	Item No.	Socket Size
NPT 61-3708	1/4"	NPT 61-3809	9mm
NPT 61-3710	5/16"	NPT 61-3810	10mm
NPT 61-3712	3/8"	NPT 61-3811	11mm
NPT 61-3714	7/16"	NPT 61-3812	12mm
NPT 61-3716	1/2"	NPT 61-3813	13mm
NPT 61-3718	9/16"	NPT 61-3814	14mm
NPT 61-3720	5/8"	NPT 61-3815	15mm
NPT 61-3722	11/16"	NPT 61-3816	16mm
NPT 61-3724	3/4"	NPT 61-3817	17mm
NPT 61-3807	7mm	NPT 61-3818	18mm
NPT 61-3808	8mm	NPT 61-3819	19mm



NPT 61-0215

SAE MET

3/8 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0215 12 Pc. Set	NPT 61-0216 13 Pc. Set
NPT 61-2410	5/16"	•	
NPT 61-2412	3/8"	•	
NPT 61-2414	7/16"	•	
NPT 61-2416	1/2"	•	
NPT 61-2418	9/16"	•	
NPT 61-2420	5/8"	•	
NPT 61-2422	11/16"	•	
NPT 61-2424	3/4"	•	
NPT 61-2426	13/16"	•	
NPT 61-2428	7/8"	•	
NPT 61-2430	15/16"	•	
NPT 61-2432	1"	•	
NPT 61-2507	7mm		•
NPT 61-2508	8mm		•
NPT 61-2509	9mm		•
NPT 61-2510	10mm		•
NPT 61-2511	11mm		•
NPT 61-2512	12mm		•
NPT 61-2513	13mm		•
NPT 61-2514	14mm		•
NPT 61-2515	15mm		•
NPT 61-2516	16mm		•
NPT 61-2517	17mm		•
NPT 61-2518	18mm		•
NPT 61-2519	19mm		•



NPT 61-0213

SAE MET

3/8 IN. DR. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0213 7 Pc. Set	NPT 61-0214 7 Pc. Set
NPT 61-3006	3/16"	•	
NPT 61-3007	7/32"	•	
NPT 61-3008	1/4"	•	
NPT 61-3010	5/16"	•	
NPT 61-3012	3/8"	•	
NPT 61-3014	7/16"	•	
NPT 61-3016	1/2"	•	
NPT 61-3018	9/16"		
NPT 61-3020	5/8"		
NPT 61-3104	4mm		•
NPT 61-3105	5mm		•
NPT 61-3106	6mm		•
NPT 61-3107	7mm		•
NPT 61-3108	8mm		•
NPT 61-3109	9mm		
NPT 61-3110	10mm		•
NPT 61-3112	12mm		•
NPT 61-3114	14mm		
NPT 61-3116	16mm		
NPT 61-3117	17mm		



NPT 61-0224

SAE MET

3/8 IN. DR. HEX SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0224 7 Pc. Set	NPT 61-0225 7 Pc. Set
NPT 61-3406	3/16"	•	
NPT 61-3407	7/32"	•	
NPT 61-3408	1/4"	•	
NPT 61-3410	5/16"	•	
NPT 61-3412	3/8"	•	
NPT 61-3414	7/16"	•	
NPT 61-3416	1/2"	•	
NPT 61-3604	4mm		•
NPT 61-3605	5mm		•
NPT 61-3606	6mm		•
NPT 61-3607	7mm		•
NPT 61-3608	8mm		•
NPT 61-3610	10mm		•
NPT 61-3612	12mm		•



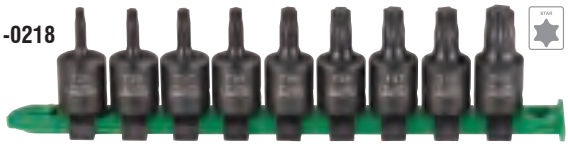
MET

3/8 IN. DR. 12 PT. STANDARD UNIVERSAL IMPACT SOCKET

Item No.	Socket Size
NPT 61-3912	12mm

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA


NPT 61-0218

3/8 IN. DR. INTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0218 9 Pc. Set
NPT 61-3220	T20	•
NPT 61-3225	T25	•
NPT 61-3227	T27	•
NPT 61-3230	T30	•
NPT 61-3240	T40	•
NPT 61-3245	T45	•
NPT 61-3247	T47	•
NPT 61-3250	T50	•
NPT 61-3255	T55	•
NPT 61-0108	12 Pc. 1/4 In., 3/8 In., 1/2 In. Dr. Internal Star Socket Set. Contains 1 of each: NPT 61-1610, NPT 61-1615, NPT 61-1620, NPT 61-1625, NPT 61-1627, NPT 61-1630, NPT 61-3240, NPT 61-3245, NPT 61-3247, NPT 61-3250, NPT 61-3255 & NPT 61-5460	


NPT 61-0219

3/8 IN. DR. EXTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0219 9 Pc. Set
NPT 61-3304	E4	
NPT 61-3305	E5	•
NPT 61-3306	E6	•
NPT 61-3307	E7	•
NPT 61-3308	E8	•
NPT 61-3310	E10	•
NPT 61-3311	E11	•
NPT 61-3312	E12	•
NPT 61-3314	E14	•
NPT 61-3316	E16	•



5 PC. 3/8 IN. & 1/2 IN. DR. UNIVERSAL JOINT SET

NPT 61-0220

Contents

Item No.	Description
NPT 61-3500	3/8" F x 1/2" M Socket Drive Size Adapter
NPT 61-3501	3/8" Dr. Universal Joint
NPT 61-5300	1/2" Dr. Universal Swivel Joint
NPT 61-5301	1/2" F x 3/8" M Socket Drive Size Adapter,
NPT 61-5302	1/2" F x 3/4" M Socket Drive Size Adapter


NPT 61-3510 NPT 61-3521 NPT 61-3501 NPT 61-3500

3/8 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT 61-3503	Extension 3"
NPT 61-3505	Extension 5"
NPT 61-3510	Extension, 10"
NPT 61-3515	Extension, 15"
NPT 61-3520	4 Pc. Extension Set. Contains (1) each: NPT 61-3503, NPT 61-3505, NPT 61-3510 & NPT 61-3515
NPT 61-3521	Wobble Adapter, 3/8" x 1/4"
NPT 61-3522	Wobble Adapter, 3/8" x 1/2"
NPT 61-3501	Universal Joint
NPT 61-3500	Socket Drive Size Adapter, 3/8" F x 1/2" M



39 PC. 1/2 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT 61-0303

Contents

Item No.	Socket Size
Standard Sockets	
NPT 61-4012	3/8"
NPT 61-4014	7/16"
NPT 61-4016	1/2"
NPT 61-4018	9/16"
NPT 61-4020	5/8"
NPT 61-4022	11/16"
NPT 61-4024	3/4"
NPT 61-4026	13/16"
NPT 61-4028	7/8"
NPT 61-4030	15/16"
NPT 61-4032	1"
NPT 61-4034	1 1/16"
NPT 61-4036	1 1/8"
NPT 61-4038	1 3/16"
NPT 61-4040	1 1/4"
NPT 61-4042	1 5/16"
NPT 61-4044	1 3/8"
NPT 61-4046	1 7/16"
NPT 61-4048	1 1/2"

Item No.	Socket Size
Deep Sockets	
NPT 61-4212	3/8"
NPT 61-4214	7/16"
NPT 61-4216	1/2"
NPT 61-4218	9/16"
NPT 61-4220	5/8"
NPT 61-4222	11/16"
NPT 61-4224	3/4"
NPT 61-4226	13/16"
NPT 61-4228	7/8"
NPT 61-4230	15/16"
NPT 61-4232	1"
NPT 61-4234	1 1/16"
NPT 61-4236	1 1/8"
NPT 61-4238	1 3/16"
NPT 61-4240	1 1/4"
NPT 61-4242	1 5/16"
NPT 61-4244	1 3/8"
NPT 61-4246	1 7/16"
NPT 61-4248	1 1/2"
NPT 61-5300	Universal Joint, Ball Type, 1/2"

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



MET

39 PC. 1/2 IN. DR. 6 PT. MASTER IMPACT SOCKET SET

NPT **61-0304**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-4109**	9mm
NPT **61-4110**	10mm
NPT **61-4111**	11mm
NPT **61-4112**	12mm
NPT **61-4113**	13mm
NPT **61-4114**	14mm
NPT **61-4115**	15mm
NPT **61-4116**	16mm
NPT **61-4117**	17mm
NPT **61-4118**	18mm
NPT **61-4119**	19mm
NPT **61-4120**	20mm
NPT **61-4121**	21mm
NPT **61-4122**	22mm
NPT **61-4123**	23mm
NPT **61-4124**	24mm
NPT **61-4126**	26mm
NPT **61-4127**	27mm
NPT **61-4130**	30mm
Deep Sockets	
NPT **61-4309**	9mm
NPT **61-4310**	10mm
NPT **61-4311**	11mm
NPT **61-4312**	12mm
NPT **61-4313**	13mm
NPT **61-4314**	14mm
NPT **61-4315**	15mm
NPT **61-4316**	16mm
NPT **61-4317**	17mm
NPT **61-4318**	18mm
NPT **61-4319**	19mm
NPT **61-4320**	20mm
NPT **61-4321**	21mm
NPT **61-4322**	22mm
NPT **61-4323**	23mm
NPT **61-4324**	24mm
NPT **61-4326**	26mm
NPT **61-4327**	27mm
NPT **61-4330**	30mm
NPT **61-5300**	Universal Joint, Ball Type, 1/2"



NPT **61-0301**



NPT **61-0302**

SAE MET

1/2 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* **61-0301** 13 Pc. Std. Set	*NPT* **61-0302** 14 Pc. Std. Set
NPT **61-4012**	3/8"		
NPT **61-4014**	7/16"	•	
NPT **61-4016**	1/2"	•	
NPT **61-4018**	9/16"	•	
NPT **61-4020**	5/8"	•	
NPT **61-4022**	11/16"	•	
NPT **61-4024**	3/4"	•	
NPT **61-4026**	13/16"	•	
NPT **61-4028**	7/8"	•	
NPT **61-4030**	15/16"	•	
NPT **61-4032**	1"	•	
NPT **61-4034**	1 1/16"	•	
NPT **61-4036**	1 1/8"	•	
NPT **61-4038**	1 3/16"		
NPT **61-4040**	1 1/4"	•	
NPT **61-4042**	1 5/16"		
NPT **61-4044**	1 3/8"		
NPT **61-4046**	1 7/16"		
NPT **61-4048**	1 1/2"		
NPT **61-4109**	9mm		
NPT **61-4110**	10mm		•
NPT **61-4111**	11mm		•
NPT **61-4112**	12mm		•
NPT **61-4113**	13mm		•
NPT **61-4114**	14mm		•
NPT **61-4115**	15mm		•
NPT **61-4116**	16mm		•
NPT **61-4117**	17mm		•
NPT **61-4118**	18mm		•
NPT **61-4119**	19mm		•
NPT **61-4120**	20mm		
NPT **61-4121**	21mm		•
NPT **61-4122**	22mm		•
NPT **61-4123**	23mm		
NPT **61-4124**	24mm		
NPT **61-4126**	26mm		•
NPT **61-4127**	27mm		•
NPT **61-4130**	30mm		

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA


NPT 61-8112


NPT 61-8221

SAE MET

1/2 IN. DR. 6 PT. STANDARD MAGNETIC IMPACT SOCKETS

Item No.	Socket Size
NPT 61-8112	3/8"
NPT 61-8114	7/16"
NPT 61-8116	1/2"
NPT 61-8118	9/16"
NPT 61-8120	5/8"
NPT 61-8122	11/16"
NPT 61-8124	3/4"
NPT 61-8126	13/16"
NPT 61-8128	7/8"
NPT 61-8130	15/16"
NPT 61-8132	1/2"

Item No.	Socket Size
NPT 61-8210	10mm
NPT 61-8211	11mm
NPT 61-8212	12mm
NPT 61-8213	13mm
NPT 61-8214	14mm
NPT 61-8215	15mm
NPT 61-8216	16mm
NPT 61-8217	17mm
NPT 61-8218	18mm
NPT 61-8219	19mm
NPT 61-8220	20mm
NPT 61-8221	21mm


SAE MET

29 PC. 1/2 IN. DR. 6 PT. DEEP IMPACT SOCKET SET

NPT 61-0322

Contents

Item No.	Socket Size
NPT 61-4214	7/16"
NPT 61-4216	1/2"
NPT 61-4218	9/16"
NPT 61-4220	5/8"
NPT 61-4222	11/16"
NPT 61-4224	3/4"
NPT 61-4226	13/16"
NPT 61-4228	7/8"
NPT 61-4230	15/16"
NPT 61-4232	1"
NPT 61-4234	1 1/16"
NPT 61-4236	1 1/8"
NPT 61-4240	1 1/4"

Item No.	Socket Size
NPT 61-4310	10mm
NPT 61-4311	11mm
NPT 61-4312	12mm
NPT 61-4313	13mm
NPT 61-4314	14mm
NPT 61-4315	15mm
NPT 61-4316	16mm
NPT 61-4317	17mm
NPT 61-4318	18mm
NPT 61-4319	19mm
NPT 61-4321	21mm
NPT 61-4322	22mm
NPT 61-4326	26mm
NPT 61-4327	27mm
NPT 61-5701	Deep Flip, 3/4" x 13/16"
NPT 61-5704	Flip, 19mm x 21mm


NPT 61-0307

SAE MET

1/2 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0307 13 Pc. Set	NPT 61-0308 14 Pc. Set
NPT 61-4212	3/8"		
NPT 61-4214	7/16"	•	
NPT 61-4216	1/2"	•	
NPT 61-4218	9/16"	•	
NPT 61-4220	5/8"	•	
NPT 61-4222	11/16"	•	
NPT 61-4224	3/4"	•	
NPT 61-4226	13/16"	•	
NPT 61-4228	7/8"	•	
NPT 61-4230	15/16"	•	
NPT 61-4232	1"	•	
NPT 61-4234	1 1/16"	•	
NPT 61-4236	1 1/8"	•	
NPT 61-4238	1 3/16"		
NPT 61-4240	1 1/4"	•	
NPT 61-4242	1 5/16"		
NPT 61-4244	1 3/8"		
NPT 61-4246	1 7/16"		
NPT 61-4248	1 1/2"		
NPT 61-4309	9mm		
NPT 61-4310	10mm		•
NPT 61-4311	11mm		•
NPT 61-4312	12mm		•
NPT 61-4313	13mm		•
NPT 61-4314	14mm		•
NPT 61-4315	15mm		•
NPT 61-4316	16mm		•
NPT 61-4317	17mm		•
NPT 61-4318	18mm		•
NPT 61-4319	19mm		•
NPT 61-4320	20mm		
NPT 61-4321	21mm		•
NPT 61-4322	22mm		•
NPT 61-4323	23mm		
NPT 61-4324	24mm		
NPT 61-4326	26mm		•
NPT 61-4327	27mm		•
NPT 61-4330	30mm		
NPT 61-4332	32mm		

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

IRWIN



SAE

IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 6 PT. 1/2 IN. DR. ANSI DEEP WELL SOCKET RAIL SET

- Six-point deep wells with recessed corners drive torque across the flats for more secure fit and long life
- Made from heavy-duty chrome molybdenum steel for maximum durability and long life with impact drivers
- Thin wall construction increases access to tight spaces
- Black oxide finish resists corrosion and increases life
- Permanent, large, laser-etched size markings for easy identification
- The magnetic storage rail features powerful rare earth magnets for secure attachment and a non-mar foam backing to protect against scratches.

Includes one each 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" sockets and 13 position magnetic rail.

VG **1882414**

CARLYLE NAPA

SAE MET



NPT **61-0306**

1/2 IN. DR. 12 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0305 14 Pc. Set	*NPT* 61-0306 13 Pc. Set
NPT **61-4414**	7/16"	•	
NPT **61-4416**	1/2"	•	
NPT **61-4418**	9/16"	•	
NPT **61-4420**	5/8"	•	
NPT **61-4422**	11/16"	•	
NPT **61-4424**	3/4"	•	
NPT **61-4426**	13/16"	•	
NPT **61-4428**	7/8"	•	
NPT **61-4430**	15/16"	•	
NPT **61-4432**	1"	•	
NPT **61-4434**	1 1/16"	•	
NPT **61-4436**	1 1/8"	•	
NPT **61-4438**	1 3/16"	•	
NPT **61-4440**	1 1/4"	•	
NPT **61-4510**	10mm		•
NPT **61-4511**	11mm		•
NPT **61-4512**	12mm		•
NPT **61-4513**	13mm		•
NPT **61-4514**	14mm		•
NPT **61-4515**	15mm		•
NPT **61-4516**	16mm		•
NPT **61-4517**	17mm		•
NPT **61-4518**	18mm		•
NPT **61-4519**	19mm		•
NPT **61-4521**	21mm		•
NPT **61-4522**	22mm		•
NPT **61-4524**	24mm		•



CARLYLE NAPA

SAE

1/2 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* 61-0309 15 Pc. Set
NPT **61-4612**	3/8"	•
NPT **61-4614**	7/16"	•
NPT **61-4616**	1/2"	•
NPT **61-4618**	9/16"	•
NPT **61-4620**	5/8"	•
NPT **61-4622**	11/16"	•
NPT **61-4624**	3/4"	•
NPT **61-4626**	13/16"	•
NPT **61-4628**	7/8"	•
NPT **61-4630**	15/16"	•
NPT **61-4632**	1"	•
NPT **61-4634**	1 1/16"	•
NPT **61-4636**	1 1/8"	•
NPT **61-4638**	1 3/16"	•
NPT **61-4640**	1 1/4"	•

CARLYLE NAPA



MET

1/2 IN. DR. 12 PT. DEEP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* 61-0310 15 Pc. Set
NPT **61-4710**	10mm	•
NPT **61-4711**	11mm	•
NPT **61-4712**	12mm	•
NPT **61-4713**	13mm	•
NPT **61-4714**	14mm	•
NPT **61-4715**	15mm	•
NPT **61-4716**	16mm	•
NPT **61-4717**	17mm	•
NPT **61-4718**	18mm	•
NPT **61-4719**	19mm	•
NPT **61-4720**	20mm	•
NPT **61-4721**	21mm	•
NPT **61-4722**	22mm	•
NPT **61-4723**	23mm	•
NPT **61-4724**	24mm	•
NPT **61-4730**	30mm	
NPT **61-4732**	32mm	
NPT **61-4734**	34mm	

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

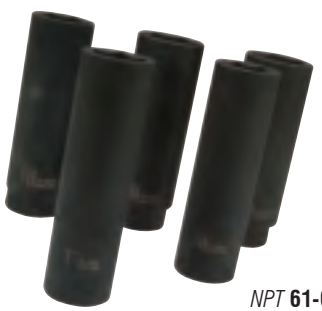
CARLYLE NAPA



1/2 IN. DR. 6 PT. EXTRA THIN WALL DEEP IMPACT SOCKETS & SET

SAE MET

Item No.	Socket Size	NPT 61-0325 11 Pc. Set
NPT 61-8024	3/4"	•
NPT 61-8026	13/16"	•
NPT 61-8028	7/8"	•
NPT 61-8032	1"	•
NPT 61-8034	1 1/16"	•
NPT 61-8017	17mm	•
NPT 61-8019	19mm	•
NPT 61-8021	21mm	•
NPT 61-8022	22mm	•
NPT 61-8023	23mm	•
NPT 61-5803	Extension, 3"	•



NPT 61-0329

SAE

1/2 IN. DR. 6 PT. EXTRA LONG IMPACT SOCKETS & SETS

Extra long sockets are 40% longer than the deep sockets.

Item No.	Socket Size	NPT 61-0329 5 Pc. Set	NPT 61-0330 8 Pc. Set
NPT 61-8410	5/16"		
NPT 61-8412	3/8"		
NPT 61-8414	7/16"		
NPT 61-8416	1/2"		•
NPT 61-8418	9/16"		•
NPT 61-8420	5/8"		•
NPT 61-8422	11/16"		•
NPT 61-8424	3/4"		•
NPT 61-8426	13/16"		•
NPT 61-8428	7/8"		•
NPT 61-8430	15/16"		•
NPT 61-8432	1"	•	
NPT 61-8434	1 1/16"	•	
NPT 61-8436	1 1/8"	•	
NPT 61-8438	1 3/16"		
NPT 61-8440	1 1/4"	•	
NPT 61-8442	1 5/16"	•	
NPT 61-8444	1 3/8"		
NPT 61-8446	1 7/16"		
NPT 61-8448	1 1/2"		

1/2 IN. DR. 6 PT. HEAVY-DUTY DEEP IMPACT SOCKETS



SAE

Item No.	Socket Size
NPT 61-8640	1 1/4"



NPT 61-0313

NPT 61-0312

1/2 IN. DR. 6 PT. STANDARD SWIVEL IMPACT SOCKETS & SETS

SAE MET

Item No.	Socket Size	NPT 61-0313 9 Pc. Set	NPT 61-0311 7 Pc. Set	NPT 61-0312 7 Pc. Set
NPT 61-4814	7/16"	•		
NPT 61-4816	1/2"	•	•	
NPT 61-4818	9/16"	•	•	
NPT 61-4820	5/8"	•	•	
NPT 61-4822	11/16"	•	•	
NPT 61-4824	3/4"	•	•	
NPT 61-4826	13/16"	•	•	
NPT 61-4828	7/8"	•	•	
NPT 61-4830	15/16"	•		
NPT 61-4913	13mm			•
NPT 61-4914	14mm			•
NPT 61-4915	15mm			•
NPT 61-4916	16mm			•
NPT 61-4917	17mm			•
NPT 61-4918	18mm			•
NPT 61-4919	19mm			•
NPT 61-4921	21mm			
NPT 61-4922	22mm			

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



NPT 61-0315

SAE MET

1/2 IN. DR. 6 PT. DEEP SWIVEL IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0315 10 Pc. Set	NPT 61-0314 10 Pc. Set
NPT 61-5012	3/8"	•	
NPT 61-5014	7/16"	•	
NPT 61-5016	1/2"	•	
NPT 61-5018	9/16"	•	
NPT 61-5020	5/8"	•	
NPT 61-5022	11/16"	•	
NPT 61-5024	3/4"	•	
NPT 61-5026	13/16"	•	
NPT 61-5028	7/8"	•	
NPT 61-5030	15/16"	•	
NPT 61-5110	10mm		•
NPT 61-5111	11mm		•
NPT 61-5112	12mm		•
NPT 61-5113	13mm		•
NPT 61-5114	14mm		•
NPT 61-5115	15mm		•
NPT 61-5116	16mm		•
NPT 61-5117	17mm		•
NPT 61-5118	18mm		•
NPT 61-5119	19mm		•
NPT 61-5120	20mm		
NPT 61-5121	21mm		
NPT 61-5122	22mm		
NPT 61-5123	23mm		
NPT 61-5124	24mm		



NPT 61-0316

SAE MET

1/2 IN. DR. 6 PT. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0316 8 Pc. Set	NPT 61-0317 8 Pc. Set
NPT 61-5208	1/4"	•	
NPT 61-5210	5/16"	•	
NPT 61-5212	3/8"	•	
NPT 61-5214	7/16"	•	
NPT 61-5216	1/2"	•	
NPT 61-5218	9/16"	•	
NPT 61-5220	5/8"	•	
NPT 61-5222	11/16"		
NPT 61-5224	3/4"	•	
NPT 61-5226	13/16"		
NPT 61-5306	6mm		•
NPT 61-5307	7mm		•
NPT 61-5308	8mm		•
NPT 61-5309	9mm		
NPT 61-5310	10mm		•
NPT 61-5312	12mm		•
NPT 61-5314	14mm		•
NPT 61-5315	15mm		
NPT 61-5316	16mm		
NPT 61-5317	17mm		•
NPT 61-5318	18mm		
NPT 61-5319	19mm		•
NPT 61-5321	21mm		

1/2 IN. DR. 6 PT. SWIVEL HEX IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0327 8 Pc. Set	NPT 61-0328 8 Pc. Set
NPT 61-8308	1/4"	•	
NPT 61-8310	5/16"	•	
NPT 61-8312	3/8"	•	
NPT 61-8314	7/16"	•	
NPT 61-8316	1/2"	•	
NPT 61-8318	9/16"	•	
NPT 61-8320	5/8"	•	
NPT 61-8324	3/4"	•	
NPT 61-8506	6mm		•
NPT 61-8507	7mm		•
NPT 61-8508	8mm		•
NPT 61-8510	10mm		•
NPT 61-8512	12mm		•
NPT 61-8514	14mm		•
NPT 61-8517	17mm		•
NPT 61-8519	19mm		•



SAE MET

NPT 61-0328

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA



1/2 IN. DR. 6 PT. INTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0318** 8 Pc. Set
NPT **61-5430**	T30	•
NPT **61-5440**	T40	•
NPT **61-5445**	T45	•
NPT **61-5447**	T47	•
NPT **61-5450**	T50	•
NPT **61-5455**	T55	•
NPT **61-5460**	T60	•
NPT **61-5470**	T70	•
NPT **61-0108**	12 Pc. 1/4 In., 3/8 In., 1/2 In. Dr. Internal Star Socket Set. Contains 1 of each: *NPT* **61-1610**, *NPT* **61-1615**, *NPT* **61-1620**, *NPT* **61-1625**, *NPT* **61-1627**, *NPT* **61-1630**, *NPT* **61-3240**, *NPT* **61-3245**, *NPT* **61-3247**, *NPT* **61-3250**, *NPT* **61-3255** & *NPT* **61-5460**	

CARLYLE NAPA



1/2 IN. DR. 6 PT. EXTERNAL STAR IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0319** 9 Pc. Set
NPT **61-5510**	E10	•
NPT **61-5511**	E11	•
NPT **61-5512**	E12	•
NPT **61-5514**	E14	•
NPT **61-5516**	E16	•
NPT **61-5518**	E18	•
NPT **61-5520**	E20	•
NPT **61-5522**	E22	•
NPT **61-5524**	E24	•



NPT **61-5711**

CARLYLE NAPA

1/2 IN DR. 6 PT. FLIP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-5711** 4 Pc. Set	*NPT* **61-5703** 2 Pc. Set
NPT **61-5705**	Deep Flip, 17mm x 21mm		
NPT **61-5704**	Deep Flip, 19mm x 21mm		
NPT **61-5701**	Deep Flip, 3/4" x 13/16"		
NPT **61-5708**	Deep Flip, 19mm x 21mm	•	
NPT **61-5710**	Deep Thin Wall Flip, 1" x 1 1/16"		
NPT **61-5706**	Deep Thin Wall Flip, 3/4" x 13/16"	•	•
NPT **61-5702**	Shallow Flip, 19mm x 21mm		
NPT **61-5700**	Shallow Flip, 3/4" x 13/16"		
NPT **61-5712**	Shallow Flip, 17mm x 19mm		
NPT **61-5709**	Shallow Thin Wall Flip, 7/8" x 15/16"	•	
NPT **61-5803**	Extension, 3"	•	•

6 PC. 1/2 IN. DR. DOUBLE-DUTY FLIP SOCKET SET

Ken-Tool WHEREVER TIRES ARE CHANGED

One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-fluted twist socket for removing damaged or rounded wheel lugs. Drive 1/2". Weight 2.8 lbs. (1.2 kg.).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30111**



Ken-Tool WHEREVER TIRES ARE CHANGED

6 PC. 1/2 IN. DR. THICK & THIN FLIP SOCKET SET

For those ever changing aftermarket and manufacturers' wheels. One end is a standard 6-point socket for everyday use. Flip socket over and you have a thinwall socket of the same size for wheels with minimal clearance. Drive 1/2". Weight 3 lbs. (1.3 kg).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30112**



CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

Ken-Tool
WHEREVER TIRES ARE CHANGED™

6 PC. 1/2 IN. DR. DEEP THIN-WALL IMPACT SOCKET SET



For the difficult aftermarket and manufacturers' wheels. Drive 1/2". Weight 3 lbs. (1.3 kg.).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30113**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

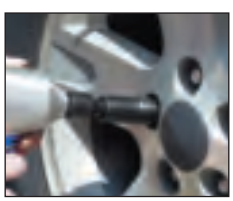
3 PC. 1/2 IN. DR. THIN-WALL FLIP IMPACT SOCKET SET



One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-point socket of larger size. Drive 1/2". Weight 1.2 lbs. (.54 kg.)

Socket sizes:
- 19mm-21mm socket
- 3/4"-13/16" socket
- 3" extension

SPC **30110**



Ken-Tool
WHEREVER TIRES ARE CHANGED™



SPC **30156**



SPC **30158**

DEEP THIN-WALL FLIP IMPACT SOCKETS

Black, 1/2" square drive, square impact socket is deep and thin walled to reach areas conventional sockets will not. Flip socket provides two socket sizes which cover virtually all SAE automotive wheel lug sizes. Imported.

Item No.	Description	Drive	Weight
SPC **30156**	3/4", 13/16"	1/2" sq.	.4 lbs. (.18 kg.)
SPC **30158**	19 mm, 21 mm	1/2" sq.	.4 lbs. (.18 kg.)



CARLYLE NAPA

1/2 IN. DR. 6 PT. WHEEL LOCK REMOVAL IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0321** 9 Pc. Set
NPT **61-8401**	Ford & Chrysler Hubcap Locks	•
NPT **61-8402**	Ford Wheel Locks	•
NPT **61-8403**	Corvette, GM N & F Body Wheel Locks	•
NPT **61-8404**	Oversized McGard Wheel Locks	•
NPT **61-8405**	McGard Wheel Locks & GM Hubcap Locks	•
NPT **61-8407**	Chrysler Hubcap Locks	•
NPT **61-8408**	GM Hubcap Locks	•
NPT **61-8409**	GM Spline Hub Cap Locks	•
NPT **61-8406**	Wheel Lock Extractor Punch, 12.7mm dia. x 102mm L	•

CARLYLE NAPA



SAE MET

1/2 IN. DR. 6 PT. WHEEL PROTECTOR IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0331** 9 Pc. Set
NPT **61-8624**	3/4"	•
NPT **61-8626**	13/16"	•
NPT **61-8628**	7/8"	•
NPT **61-8630**	15/16"	•
NPT **61-8632**	1"	•
NPT **61-8634**	1 1/16"	•
NPT **61-8617**	17mm	•
NPT **61-8619**	19mm	•
NPT **61-8621**	21mm	•

Ken-Tool
WHEREVER TIRES ARE CHANGED™

1/2 IN. DR. UNIVERSAL EMERGENCY WHEEL LOCK REMOVER



Removes wheel locks when the key is lost or misplaced. Tapered socket fits over most car wheel locks. Use soft-faced hammer to drive onto wheel lock. Limited use. Drive 1/2". Weight 1 lbs. (.5 kg.).

SPC **30161**


SPC **30121**


SPC **30120**

HEAVY-DUTY IMPACT SOCKETS

Special Purpose Impact Sockets
Off-Road Budd, Square, SAE, and Metric

Special 1 1/2" hex deep heavy-duty impact socket designed for outer cap nuts on Budd-style truck wheels. The 1 1/2" hex depth is limited to help prevent socket contact with the wheel. The socket is deep style to eliminate contact with the inner cap nut. Imported.

Item No.	Description	Drive	Weight
Heavy Duty Impact			
SPC **30120**	13/16" sq.	3/4"	1.4 lbs. (.6 kg)
SPC **30149**	13/16" sq.	1"	1.4 lbs. (.6 kg)
Wheel Impact			
SPC **30121**	1 1/2" x 13/16" sq.	3/4"	3.1 lbs (1.4 kg)
SPC **30150**	1 1/2" x 13/16" sq.	1"	3.1 lbs (1.4 kg)
Deep Impact			
SPC **30356**	33 mm deep	6 pt., 3/4"	1.6 lbs (.7 kg)
SPC **30366**	33 mm deep	6 pt., 1"	1.6 lbs (.7 kg)



5 PC. 3/8 IN. & 1/2 IN. DR. UNIVERSAL JOINT SET

NPT **61-0220**

Contents

Item No.	Description
NPT **61-3500**	3/8" F x 1/2" M Socket Drive Size Adapter
NPT **61-3501**	3/8" Dr. Universal Joint
NPT **61-5300**	1/2" Dr. Universal Swivel Joint
NPT **61-5301**	1/2" F x 3/8" M Socket Drive Size Adapter,
NPT **61-5302**	1/2" F x 3/4" M Socket Drive Size Adapter


NPT **61-0320**

1/2 IN DR. 6 PT. SPINDLE NUT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0320 7 Pc. Set	NPT 61-0324 4 Pc. Set
NPT **61-5829**	29mm	•	
NPT **61-5830**	30mm	•	•
NPT **61-5832**	32mm	•	•
NPT **61-5834**	34mm	•	•
NPT **61-5835**	35mm	•	
NPT **61-5836**	36mm	•	•
NPT **61-5838**	38mm	•	



1/2 IN. DR. 6 PT. TIE ROD IMPACT SOCKET

Item No.
NPT **61-5801**

1/2 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-5820**	4 Pc. Extension Set, Contains (1) each: NPT **61-5803**, NPT **61-5805**, NPT **61-5810** & NPT **61-5815**
NPT **61-5803**	Extension, 3"
NPT **61-5805**	Extension, 5"
NPT **61-5810**	Extension, 10"
NPT **61-5815**	Extension, 15"
NPT **61-5824**	Extension, 24"
NPT **61-5837**	Extension, 36"
NPT **61-5300**	Universal Swivel Joint
NPT **61-5322**	Wobble Adapter, 1/2" x 3/8"
NPT **61-5323**	Wobble Adapter, 1/2" x 3/4"
NPT **61-5301**	Socket Drive Size Adapter, 1/2" F x 3/8" M
NPT **61-5302**	Socket Drive Size Adapter, 1/2" F x 3/4" M
NPT **61-5304**	Socket Drive Size Adapter, 3/8" x 36"


NPT **61-5810** NPT **61-5300** NPT **61-5322** NPT **61-5301**

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



NPT 61-0412

3/4 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

SAE

Item No.	Socket Size	NPT 61-0412 17 Pc. Set	NPT 61-0402 11 Pc. Set	NPT 61-0400 8 Pc. Set
NPT 61-6020	5/8"			
NPT 61-6022	11/16"			
NPT 61-6024	3/4"		•	
NPT 61-6026	13/16"		•	
NPT 61-6028	7/8"		•	
NPT 61-6030	15/16"		•	
NPT 61-6032	1"	•	•	•
NPT 61-6034	1 1/16"	•	•	•
NPT 61-6036	1 1/8"	•	•	•
NPT 61-6038	1 3/16"	•	•	
NPT 61-6040	1 1/4"	•	•	•
NPT 61-6042	1 5/16"	•		•
NPT 61-6044	1 3/8"	•		•
NPT 61-6046	1 7/16"	•		•
NPT 61-6048	1 1/2"	•	•	•
NPT 61-6050	1 9/16"	•		
NPT 61-6052	1 5/8"	•		
NPT 61-6054	1 11/16"	•		
NPT 61-6056	1 3/4"	•		
NPT 61-6058	1 13/16"	•		
NPT 61-6060	1 7/8"	•		
NPT 61-6062	1 15/16"	•		
NPT 61-6064	2"	•		
NPT 61-6066	2 1/16"			
NPT 61-6068	2 1/8"			
NPT 61-6070	2 3/16"			
NPT 61-6072	2 1/4"			
NPT 61-6074	2 5/16"			
NPT 61-6076	2 3/8"			
NPT 61-6078	2 7/16			
NPT 61-6080	2 1/2"			
NPT 61-6082	2 9/16			
NPT 61-6084	2 5/8"			
NPT 61-6086	2 11/16"			
NPT 61-6088	2 3/4"			
NPT 61-6090	2 13/16"			
NPT 61-6092	2 7/8"			
NPT 61-6094	2 15/16"			
NPT 61-6096	3"			
Square Sockets				
NPT 61-6626	13/16"		•	
NPT 61-6630	15/16"			
NPT 61-6926	H.D. 13/16"			

5 PC. 3/4 IN. DR. 6 PT. IMPACT SOCKET SET

MET

NPT 61-0406

Contents

Item No.	Socket Size
Standard Sockets (MM)	
NPT 61-6127	27mm
NPT 61-6130	30mm
Deep Sockets (MM)	
NPT 61-6333	33mm
NPT 61-6335	35mm
Double Square Sockets	
NPT 61-6917	17mm





NPT 61-6119 NPT 61-6147

MET

3/4 IN. DR. 6 PT. STANDARD IMPACT SOCKETS

Item No.	Socket Size
NPT 61-6119	19mm
NPT 61-6120	20mm
NPT 61-6121	21mm
NPT 61-6122	22mm
NPT 61-6123	23mm
NPT 61-6124	24mm
NPT 61-6125	25mm
NPT 61-6126	26mm
NPT 61-6127	27mm
NPT 61-6128	28mm
NPT 61-6129	29mm
NPT 61-6130	30mm
NPT 61-6132	32mm
NPT 61-6133	33mm
NPT 61-6135	35mm
NPT 61-6136	36mm
NPT 61-6138	38mm
NPT 61-6140	40mm
NPT 61-6141	41mm
NPT 61-6142	42mm
NPT 61-6143	43mm
NPT 61-6144	44mm
NPT 61-6145	45mm
NPT 61-6146	46mm
NPT 61-6147	47mm
NPT 61-6148	48mm
NPT 61-6149	49mm
NPT 61-6150	50mm
NPT 61-6152	52mm
NPT 61-6154	54mm
NPT 61-6155	55mm
NPT 61-6156	56mm
NPT 61-6160	60mm
NPT 61-6163	63mm
NPT 61-6165	65mm

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA





NPT **61-0403**

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* 61-0401 8 Pc. Set
NPT **61-6220**	5/8"	
NPT **61-6222**	11/16"	
NPT **61-6224**	3/4"	
NPT **61-6226**	13/16"	
NPT **61-6228**	7/8"	
NPT **61-6230**	15/16"	
NPT **61-6232**	1"	•
NPT **61-6234**	1 1/16"	•
NPT **61-6236**	1 1/8"	•
NPT **61-6238**	1 3/16"	
NPT **61-6240**	1 1/4"	•
NPT **61-6242**	1 5/16"	•
NPT **61-6244**	1 3/8"	•
NPT **61-6246**	1 7/16"	•
NPT **61-6248**	1 1/2"	•
NPT **61-6250**	1 9/16"	
NPT **61-6252**	1 5/8"	
NPT **61-6254**	1 11/16"	
NPT **61-6256**	1 3/4"	
NPT **61-6258**	1 13/16"	
NPT **61-6260**	1 7/8"	
NPT **61-6262**	1 15/16"	
NPT **61-6264**	2"	
NPT **61-6266**	2 1/16"	
NPT **61-6268**	2 1/8"	
NPT **61-6270**	2 3/16"	
NPT **61-6272**	2 1/4"	
NPT **61-6274**	2 5/16"	
NPT **61-6276**	2 3/8"	
NPT **61-6278**	2 7/16"	
NPT **61-6280**	2 1/2"	
NPT **61-6282**	2 9/16"	
NPT **61-6284**	2 5/8"	
NPT **61-6286**	2 11/16"	
NPT **61-6288**	2 3/4"	
NPT **61-6290**	2 13/16"	
NPT **61-6292**	2 7/8"	
NPT **61-6294**	2 15/16"	
NPT **61-6296**	3"	

3/4 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0403 11 Pc. Set	*NPT* 61-0404 7 Pc. Set
NPT **61-6319**	19mm		
NPT **61-6320**	20mm		
NPT **61-6321**	21mm		
NPT **61-6322**	22mm		
NPT **61-6323**	23mm		
NPT **61-6324**	24mm		
NPT **61-6325**	25mm		
NPT **61-6326**	26mm		
NPT **61-6327**	27mm	•	•
NPT **61-6328**	28mm		
NPT **61-6329**	29mm		
NPT **61-6330**	30mm	•	•
NPT **61-6332**	32mm	•	
NPT **61-6333**	33mm	•	•
NPT **61-6335**	35mm	•	•
NPT **61-6336**	36mm	•	
NPT **61-6338**	38mm	•	
NPT **61-6340**	40mm		
NPT **61-6341**	41mm	•	•
NPT **61-6342**	42mm		
NPT **61-6343**	43mm		
NPT **61-6344**	44mm		
NPT **61-6346**	46mm		
NPT **61-6347**	47mm		
NPT **61-6348**	48mm		
NPT **61-6349**	49mm		
NPT **61-6350**	50mm		
NPT **61-6352**	52mm		
NPT **61-6355**	55mm		
NPT **61-6360**	60mm		
NPT **61-6365**	65mm		
Double Square Sockets			
NPT **61-6917**	17mm	•	•
NPT **61-6920**	20mm	•	
NPT **61-6921**	21mm	•	•

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA

5 PC. 3/4 IN. DR. 6 PT. HEAVY-DUTY IMPACT SOCKET SET

NPT 61-0405

SAE MET

Contents

Item No.	Socket Size
NPT 61-6234	Deep, 1 1/16"
NPT 61-6240	Deep, 1 1/4"
NPT 61-6248	Deep, 1 1/2"
NPT 61-6333	Deep, 33mm
NPT 61-6626	Square, 13/16"



3/4 IN. DR. 6 PT. THIN-WALL DEEP IMPACT SOCKETS

Item No.	Socket Size
NPT 61-6834	1 1/16"
NPT 61-6836	1 1/8"
NPT 61-6840	1 1/4"

NPT 61-6834



SAE



SAE

3/4 IN. DR. 12 PT. THIN-WALL IMPACT SOCKETS & SET

Item No.	Socket Size	NPT 61-0413 9 Pc. Set
NPT 61-9020	5/8"	
NPT 61-9022	11/16"	
NPT 61-9024	3/4"	•
NPT 61-9026	13/16"	•
NPT 61-9028	7/8"	•
NPT 61-9030	15/16"	•
NPT 61-9032	1"	•
NPT 61-9034	1 1/16"	•
NPT 61-9036	1 1/8"	•
NPT 61-9038	1 3/16"	•
NPT 61-9040	1 1/4"	•
NPT 61-9044	1 3/8"	
NPT 61-9048	1 1/2"	
NPT 61-9052	1 5/8"	
NPT 61-9056	1 3/4"	
NPT 61-9060	1 7/8"	



NPT 61-9115



NPT 61-9126

3/4 IN. DR. 12 PT. THIN-WALL IMPACT SOCKETS

MET

Item No.	Socket Size
NPT 61-9115	15mm
NPT 61-9116	16mm
NPT 61-9117	17mm
NPT 61-9118	18mm
NPT 61-9119	19mm
NPT 61-9120	20mm
NPT 61-9121	21mm
NPT 61-9122	22mm
NPT 61-9123	23mm
NPT 61-9124	24mm
NPT 61-9125	25mm

Item No.	Socket Size
NPT 61-9126	26mm
NPT 61-9127	27mm
NPT 61-9128	28mm
NPT 61-9129	29mm
NPT 61-9130	30mm
NPT 61-9132	32mm
NPT 61-9133	33mm
NPT 61-9135	35mm
NPT 61-9136	36mm
NPT 61-9138	38mm
NPT 61-9140	40mm

3/4 IN DR. 6 PT. EXTRA LONG IMPACT SOCKETS

Extra long sockets are 60% longer than the deep sockets.

SAE MET

Item No.	Socket Size
NPT 61-6726	13/16"
NPT 61-6734	1 1/16"
NPT 61-6736	1 1/8"
NPT 61-6740	1 1/4"
NPT 61-6648	1 1/2"
NPT 61-6833	33mm

NPT 61-6734



3/4 IN DR. 6 PT. LIMITED DEPTH IMPACT SOCKET

Item No.	Socket Size
NPT 61-6948	1 1/2"



SAE



NPT 61-0407

SAE MET

3/4 IN. DR. 6 PT. HEX BIT IMPACT SOCKETS & SETS

Item No.	Socket Size	NPT 61-0407 5 Pc. Set	NPT 61-0408 5 Pc. Set
NPT 61-6424	3/4"	•	
NPT 61-6428	7/8"	•	
NPT 61-6432	1"	•	
NPT 61-6436	1 1/8"	•	
NPT 61-6440	1 1/4"	•	
NPT 61-6514	14mm		•
NPT 61-6517	17mm		•
NPT 61-6519	19mm		•
NPT 61-6522	22mm		•
NPT 61-6524	24mm		•

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA



SAE MET

3/4 IN DR. 6 PT. BUDD WHEEL IMPACT SOCKETS & SET

Item No.	Description	*NPT* 61-0410 4 Pc. Set
NPT **61-6826**	13/16" x 1 1/2" Budd Wheel	•
NPT **61-6841**	41mm Hex 21mm Combination Budd Wheel	•
—	35mm x 17mm Square Budd Wheel	•
NPT **61-6333**	Deep Socket 33mm	•
NPT **61-6748**	Deep Hex	



3/4 IN. DR. SPINNING IMPACT SOCKET EXTENSION

The most revolutionary impact socket improvement ever! This patented tool features an ergonomic, roller-bearing handle permanently mounted to the extension, which protects hands from friction burns, prevents glove grab and provides balance when using heavy impact tools. Length: 10".

NPT **61-6725**



NPT **61-6710**



NPT **61-6704**



NPT **61-6700**



NPT **61-6703**



NPT **61-6701**

3/4 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-6706**	Extension, 6"
NPT **61-6710**	Extension, 10"
NPT **61-6713**	Extension, 13"
NPT **61-6704**	Universal Joint
NPT **61-6700**	Socket Drive Size Adapter, 3/4" F x 1" M
NPT **61-6701**	Socket Drive Size Adapter, 3/4" F x 1/2" M
NPT **61-6703**	Linch Pin with O-Ring



SAE MET

10 PC. 1 IN. DR. 6 PT. HEAVY-DUTY WHEEL IMPACT SOCKET SET

NPT **61-0502**

Contents

Item No.	Socket Size
Thin Wall Deep Sockets	
NPT **61-7634**	1 1/16"
NPT **61-7636**	1 1/8"
NPT **61-7640**	1 1/4"
Deep Sockets	
NPT **61-7332**	1"
NPT **61-7338**	1 3/16"
NPT **61-7356**	1 3/4"

Item No.	Socket Size
NPT **61-7533**	33mm
Square Sockets	
NPT **61-7626**	1 3/16"
NPT **61-7630**	1 5/16"
Limited Depth Sockets	
NPT **61-7848**	1 1/2"



SAE MET

8 PC. 1 IN. DR. 6 PT. TRUCK SERVICE IMPACT SOCKET SET

NPT **61-0505**

Contents

Item No.	Socket Size
Standard Sockets	
NPT **61-7028**	7/8"
NPT **61-7032**	1"
NPT **61-7233**	33mm
Thin Wall Socket	
NPT **61-7634**	1 1/16"
NPT **61-7636**	1 1/8"

Item No.	Socket Size
NPT **61-7640**	1 1/4"
Square Sockets	
NPT **61-7626**	1 3/16"
Limited Depth Sockets	
NPT **61-7648**	1 1/2"



SAE MET

5 PC. 1 IN. DR. 6 PT. TRUCK SERVICE IMPACT SOCKET SET

NPT **61-0504**

Contents

Item No.	Socket Size
Deep Sockets	
NPT **61-7348**	1 1/2"
NPT **61-7533**	33mm
Square Sockets	
NPT **61-7626**	1 3/16"

Item No.	Socket Size
Thin Wall Socket	
NPT **61-7636**	1 1/8"
NPT **61-7640**	1 1/4"

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE by NAPA



SAE

1 IN. DR. 6 PT. STANDARD IMPACT SOCKETS & SETS

Item No.	Socket Size	*NPT* 61-0500 9 Pc. Set
NPT **61-7024**	3/4"	
NPT **61-7028**	7/8"	
NPT **61-7030**	15/16"	
NPT **61-7032**	1"	•
NPT **61-7034**	1 1/16"	
NPT **61-7036**	1 1/8"	•
NPT **61-7038**	1 3/16"	
NPT **61-7040**	1 1/4"	•
NPT **61-7042**	1 5/16"	
NPT **61-7044**	1 3/8"	•
NPT **61-7046**	1 7/16"	
NPT **61-7048**	1 1/2"	•
NPT **61-7050**	1 9/16"	
NPT **61-7052**	1 5/8"	•
NPT **61-7054**	1 11/16"	
NPT **61-7056**	1 3/4"	•
NPT **61-7058**	1 13/16"	
NPT **61-7060**	1 7/8"	•
NPT **61-7062**	1 15/16"	
NPT **61-7064**	2"	•
NPT **61-7066**	2 1/16"	
NPT **61-7068**	2 1/8"	
NPT **61-7070**	2 3/16"	
NPT **61-7072**	2 1/4"	
NPT **61-7074**	2 5/16"	
NPT **61-7076**	2 3/8"	
NPT **61-7078**	2 7/16"	
NPT **61-7080**	2 1/2"	
NPT **61-7082**	2 9/16"	
NPT **61-7084**	2 5/8"	
NPT **61-7086**	2 11/16"	
NPT **61-7088**	2 3/4"	
NPT **61-7090**	2 13/16"	
NPT **61-7092**	2 7/8"	
NPT **61-7094**	2 15/16"	
NPT **61-7096**	3"	
NPT **61-7098**	3 1/8"	
NPT **61-7100**	3 1/4"	
NPT **61-7108**	3 3/8"	
NPT **61-7112**	3 1/2"	
NPT **61-7116**	3 5/8"	
NPT **61-7120**	3 3/4"	
NPT **61-7124**	3 7/8"	
NPT **61-7128**	4"	
NPT **61-7132**	4 1/8"	
NPT **61-7136**	4 1/4"	
NPT **61-7140**	4 1/2"	



NPT **61-7219** *NPT* **61-7242**

MET

1 IN. DR. 6 PT. STANDARD IMPACT SOCKETS

Item No.	Socket Size
NPT **61-7219**	19mm
NPT **61-7221**	21mm
NPT **61-7222**	22mm
NPT **61-7223**	23mm
NPT **61-7224**	24mm
NPT **61-7225**	25mm
NPT **61-7226**	26mm
NPT **61-7227**	27mm
NPT **61-7228**	28mm
NPT **61-7229**	29mm
NPT **61-7230**	30mm
NPT **61-7232**	32mm
NPT **61-7233**	33mm
NPT **61-7235**	35mm
NPT **61-7236**	36mm
NPT **61-7238**	38mm
NPT **61-7240**	40mm
NPT **61-7241**	41mm
NPT **61-7242**	42mm
NPT **61-7246**	46mm
NPT **61-7250**	50mm
NPT **61-7252**	52mm
NPT **61-7254**	54mm
NPT **61-7255**	55mm
NPT **61-7256**	56mm
NPT **61-7258**	58mm
NPT **61-7260**	60mm
NPT **61-7265**	65mm
NPT **61-7270**	70mm

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE NAPA



1 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

SAE

Item No.	Socket Size	NPT 61-0501 8 Pc. Set
NPT 61-7324	3/4"	
NPT 61-7326	13/16"	
NPT 61-7328	7/8"	•
NPT 61-7330	15/16"	•
NPT 61-7332	1"	•
NPT 61-7334	1 1/16"	•
NPT 61-7336	1 1/8"	•
NPT 61-7338	1 3/16"	•
NPT 61-7340	1 1/4"	•
NPT 61-7342	1 1/4"	
NPT 61-7344	1 3/8"	
NPT 61-7346	1 7/16"	
NPT 61-7348	1 1/2"	•
NPT 61-7350	1 9/16"	
NPT 61-7352	1 5/8"	
NPT 61-7354	1 11/16"	
NPT 61-7356	1 3/4"	
NPT 61-7358	1 13/16"	
NPT 61-7360	1 7/8"	
NPT 61-7362	1 15/16"	
NPT 61-7364	2"	
NPT 61-7366	2 1/16"	
NPT 61-7368	2 1/8"	
NPT 61-7370	2 3/16"	
NPT 61-7372	2 1/4"	
NPT 61-7374	2 5/16"	
NPT 61-7376	2 3/8"	
NPT 61-7378	2 7/16"	
NPT 61-7380	2 1/2"	
NPT 61-7382	2 9/16"	
NPT 61-7384	2 5/8"	
NPT 61-7386	2 11/16"	
NPT 61-7388	2 3/4"	
NPT 61-7390	2 13/16"	
NPT 61-7392	2 7/8"	
NPT 61-7394	2 15/16"	
NPT 61-7396	3"	
NPT 61-7398	3 1/8"	
NPT 61-7400	3 1/4"	
NPT 61-7404	3 3/8"	
NPT 61-7408	3 1/2"	
NPT 61-7416	3 5/8"	
NPT 61-7420	3 3/4"	
NPT 61-7424	3 7/8"	
NPT 61-7428	4"	
NPT 61-7432	4 1/8"	
NPT 61-7436	4 1/4"	
NPT 61-7440	4 1/2"	



1 IN. DR. 6 PT. DEEP IMPACT SOCKETS & SETS

MET

Item No.	Socket Size	NPT 61-0503 7 Pc. Set
NPT 61-7519	19mm	
NPT 61-7521	21mm	
NPT 61-7522	22mm	
NPT 61-7523	23mm	
NPT 61-7524	24mm	
NPT 61-7525	25mm	
NPT 61-7526	26mm	
NPT 61-7527	27mm	•
NPT 61-7529	29mm	
NPT 61-7530	30mm	
NPT 61-7532	32mm	
NPT 61-7533	33mm	•
NPT 61-7535	35mm	•
NPT 61-7536	36mm	•
NPT 61-7538	38mm	
NPT 61-7540	40mm	
NPT 61-7541	41mm	•
NPT 61-7542	42mm	
NPT 61-7546	46mm	
Double Square Sockets		
NPT 61-7617	17mm	•
NPT 61-7619	19mm	
NPT 61-7620	20mm	
NPT 61-7621	21mm	•

1 IN. DR. 6 PT. EXTRA LONG IMPACT SOCKETS

Extra long sockets are 65% longer than the deep sockets.

SAE MET

Item No.	Socket Size
NPT 61-7740	1 1/4"
NPT 61-7633	33mm



NPT 61-7740

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CARLYLE

1 IN. DR. 6 PT. THIN WALL DEEP IMPACT SOCKETS

SAE MET

Item No.	Socket Size
NPT **61-7634**	1 1/16
NPT **61-7636**	1 1/8"
NPT **61-7640**	1 1/4"
NPT **61-7642**	1 5/16"
NPT **61-7648**	1 1/2"
NPT **61-7641**	41mm



NPT **61-7636**

CARLYLE

1 IN. DR. 6 PT. EXTRA DEEP IMPACT SOCKET

SAE

Item No.	Socket Size
NPT **61-7656**	1 3/4"



NPT **61-7656**

CARLYLE

1 IN. DR. 6 PT. LIMITED DEPTH IMPACT SOCKET

SAE

Item No.	Socket Size
NPT **61-7848**	1 1/2"



NPT **61-7848**

CARLYLE

1 IN. DR. SQUARE IMPACT SOCKETS

SAE

Item No.	Socket Size
NPT **61-7626**	1 3/16"
NPT **61-7630**	1 5/16"



NPT **61-7626**

CARLYLE

1 IN. DR. HEAVY-DUTY SQUARE IMPACT SOCKET

SAE

Item No.	Socket Size
NPT **61-7726**	1 3/16"



NPT **61-7726**

CARLYLE



SAE MET

1 IN. DR. 6 PT. BUDD WHEEL IMPACT SOCKETS & SET

Item No.	Socket Size	*NPT* **61-0506** 5 Pc. Set
NPT **61-7533**	Deep Socket 33mm	•
NPT **61-7826**	Combination Budd Wheel, 1 1/2" x 1 3/16	•
NPT **61-7835**	Combination Budd Wheel, 35mm x 17mm	•
NPT **61-7838**	Combination Budd Wheel, 38mm x 20mm	•
NPT **61-7841**	Combination Budd Wheel, 41mm x 21mm	•

CARLYLE



NPT **61-7701**



NPT **61-7707**



NPT **61-7704**



NPT **61-7706**



NPT **61-7714**

1 IN. DR. IMPACT ACCESSORIES

Item No.	Description
NPT **61-7707**	Extension, 6"
NPT **61-7710***	Extension with Pin Hole, 10"
NPT **61-7713***	Extension with Pin Hole, 13"
NPT **61-7704**	Universal Joint
NPT **61-7706**	Adapter with Pin Hole, 1" F x 1 1/2" M
NPT **61-7714**	Socket Drive Size Adapter, 1 1/2" F x 1" M
NPT **61-7703**	Socket Drive Size Adapter w/ Steel Ball, 1" F x 3/4" M
NPT **61-7701**	Linch Pin with O-Ring, 1 11/16"
NPT **61-7702**	Linch Pin with O-Ring, 1 3/4"
NPT **61-0409**	5 Pc. Adapter and Universal Joint Set Contains 1 of each: *NPT* **61-6700**, *NPT* **61-6701**, *NPT* **61-7703**, *NPT* **61-6704** and *NPT* **61-7704**

**** Requires Linch Pin/O-Ring***

AIR FLEX SWIVEL CONNECTORS

Chicago Pneumatic

Features and Benefits

The new Air Flex Swivel Connectors make all rigid hoses flexible and multi-directional:

- Easy to use, less effort due to hose rigidity
- Easier to work on hard to reach areas
- Less premature hose wear
- Comfortable, no twisting. The hose remains in the ideal working position and lowers the risk of tendinitis.

Item No.	Description
CP **8940171569**	1/4" NPT, 25 cfm
CP **8940171571**	3/8" NPT, 74 cfm
CP **8940171567**	1/2" NPT, 74 cfm



CP **8940171567**

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

Ken-Tool
WHEREVER TIRES ARE CHANGED™



SPC **30108**

13 PC. TWIST SOCKET SETS

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.



SPC **30106**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1/2" socket
11/16" socket	3/8" socket
9/16" socket	10mm socket
7/16", 11 mm socket	12mm socket
13mm socket	14mm socket
15mm socket	5/8", 16mm socket
17mm socket	

Item No.	Description	Drive	Weight
SPC **30108**	On Rail	3/8"	1.6 lbs. (.7 kg)
SPC **30106**	In Case (Includes punch pin)	3/8"	1.9 lbs. (.9 kg)

10 PC. SLIM TWIST SOCKET SET W/ EXTERNAL HEX



Quickly removes damaged or rounded nuts, bolts, studs, and socket head cap screws in tight quarters. The through hole design allows them to also be used on long studs. Fits SAE sizes 3/8" to 3/4" and metric sizes from 9mm up to 19mm. Used where standard twist sockets will not fit. Can be used with an open-end wrench, or with a socket.

SPC **30271** 10 Pc. Set in Plastic Case

Contents

Item No.	Description
SPC **30271-01**	9mm; ext. hex 5/8" socket
SPC **30271-02**	10mm, 3/8"; ext. hex 5/8" socket
SPC **30271-03**	11mm, 7/16"; ext. hex 11/16" socket
SPC **30271-04**	12mm; ext. hex 3/4" socket
SPC **30271-05**	13mm, 1/2" ext. hex 3/4" socket
SPC **30271-06**	14mm, 9/16" ext. hex 13/16" socket
SPC **30271-07**	15mm; ext. hex 7/8" socket
SPC **30271-08**	16mm, 5/8"; ext. hex 15/16" socket
SPC **30271-09**	17mm, 11/16" ext. hex 1" socket
SPC **30271-10**	19mm, 3/4" ext. hex 1 1/16" socket

9 PC. TWIST SOCKET SETS



SPC **30109**

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.



SPC **30107**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	12mm socket
5/8", 16 mm socket	13mm socket
10mm socket	14mm socket
7/16", 11mm socket	15mm socket
	17mm socket

Item No.	Description	Drive	Weight
SPC **30109**	On Rail	3/8"	2.8 lbs. (1.2 kg)
SPC **30107**	In Case (Includes punch pin)	3/8"	1.5 lbs. (.7 kg)

8 PC. TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Convenient storage/ organizer bar. 1/4" drive, 9 lbs (.4 kg).

SPC **30117**



Contents

Socket Sizes	Socket Sizes
6mm	13mm
8mm	14mm
10mm	15mm
12mm	17 mm

5 PC. TWIST SOCKET SET W/PUNCH

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Convenient storage/ organizer bar. 1/2" drive, 2 lbs (.9 kg).

SPC **30118**



Contents

Socket Sizes	Socket Sizes
19mm (3/4"socket	1" socket
15/16" socket	7/8" socket
13/16" socket	punch pin

5 PC. DEEP TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Unique spiral fluting bites onto the damaged fastener and won't let go. Designed for general automotive applications. Convenient storage/ organizer bar. Drive 1/2". Weight 2.5 lbs. (1.1 kg.).

SPC **30116**



Contents

Socket Sizes	Socket Sizes
19mm (3/4") socket	1" socket
15/16" socket	7/8" socket
13/16" socket	

CORDLESS HAMMERDRILLS



20V MAX* Lithium Ion Premium 3-Speed Hammerdrill Kit



18V XRP™ Lithium Ion 1/2 In. (13mm) Hammerdrill/Drill/Driver Kit



20V MAX* Lithium Ion Compact Hammerdrill Kit



18V Compact 1/2 In. (13mm) Hammerdrill Kit

Kit Item No.	*DEW* **DCD985M2**	*DEW* **DCD970KL**	*DEW* **DCD785C2**	*DEW* **DC725KA**
Tool Only Item No.	—	—	—	*DEW* **DCD775B**
Volts	20V MAX*	18V	20V MAX*	18V
Max Power	535 UWO	450 UWO	350 UWO	410 UWO
# of Speed Settings	3	3	2	2
Max RPM	0-575 / 0-1,350 / 0-2,000 rpm	0-500 / 0-1,250 / 0-2,000 rpm	0-600 / 2,000 rpm	0-500 / 0-1,700 rpm
Max BPM	0-9,775 / 0-22,950 / 0-34,000 bpm	0-8,500 / 0-21,250 / 0-34,000 bpm	0-10,200 / 0-34,000 bpm	0-8,500 / 0-29,000 bpm
Chuck Size	1/2"	1/2"	1/2"	1/2"
Chuck Type	Metal, ratcheting	Metal, ratcheting	Ratcheting	Metal, ratcheting
Weight	5.2 lbs	5.2 lbs	3.5 lbs	4.9 lbs / 3.1 lbs (tool only)
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Nicd/NiMH/Li-Ion charger / (2) 18V XRP™ Lithium Ion	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)	Charger / (2) 18V
Includes	360° side handle	360° side handle	Belt hook	—

CORDLESS DRILL/DRIVERS



12V MAX* Lithium Ion 3/8 In. (10mm) Drill/Driver Kit



3/8 In. Dr. 12V Cordless Drill/Driver Kit



3/8 In Dr. 12V Cordless Drill Driver Kit



3/8 In. 12V Cordless SMARTSELECT® DRILL

Kit Item No.	*DEW* **DCD710S2**	*IR* **D1130-K2**	*CP* **CP8528K**	*DEW* **SS12C**
Tool Only Item No.	—	*IR* **D1130**	*CP* **CPCP8528**	
Volts	12V MAX*	12V	12V	12V
Drive Size	—	—	3/8" spindle lock and keyless chuck	—
Max Power	189 UWO	205 ft.-lbs.	—	0 - 1200 rpm
No Load Speed	—	—	0-350 / 0-1,500	—
# of Speed Settings	—	2	—	—
Max RPM	0-400 / 0-1,500 rpm	0-400/ 205	—	—
Max BPM	3/8"	—	—	—
Max Torque	—	—	24 ft-lbs.	—
Chuck Size	Plastic, ratcheting	3/8"	3/8"	—
Chuck Type	—	—	Keyless	3/8", Keyless
LEDs	—	—	Yes	—
Tool Length	—	—	6.9"	—
Weight	2.4 lbs	2.43	2.62 lb. incl. Battery	—
Charger/Batteries	Charger / (2) 12V MAX* Lithium Ion	12V IQV Charger, 12V 2.0 Ah Li-Ion Battery	12V Lithium-Ion 1.5Ah (*CP* **CP12XP**) 1 Charger 12V (*CP* **CP12CHU**)	Charger / *DEW* **HPB12** 12V Battery
Charging Time	—	—	30 min	—
Includes	Belt hook	Drill/Driver, Charger, (2) Li-Ion Batteries and Tool Bag	(2) Batteries, Charger and Case	Double-ended bit tip

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CORDLESS DRILL/DRIVERS



20V MAX* Li-Ion Premium 3-Speed Drill/Driver Kit



1/2 In. 20V MAX Lithium Ion Cordless Drill/Driver Kit



18V XRP™ 1/2 In. (13mm) Drill/Driver Kit



20V MAX* XR® Li-Ion Brushless Compact Drill/Driver Kit



20V MAX* Lithium Ion Compact Drill/Driver Kit

Kit Item No.	*DEW* **DCD980M2**	*DEW* **PCCK600LB**	*DEW* **DCD940KX**	*DEW* **DCD791D2**	*DEW* **DCD780C2**
Tool Only Item No.	—	—	—	*DEW* **DCD791B**	*DEW* **DCD780B**
Volts	20V MAX*	20V MAX	18V	20V MAX*	20V MAX*
Max Power	535 UWO	330 UWO	450 UWO	360 UWO	350 UWO
# of Speed Settings	3	—	3	2	2
Max RPM	0-575 / 0-1,350 / 0-2,000 rpm	0-400/0-1,600 RPM	0-500 / 0-1,250 / 0-2,000 rpm	0-600 / 0-2,000 rpm	0-600 / 2,000 rpm
Chuck Size	1/2"	1/2"	1/2"	1/2"	1/2"
Chuck Type	Metal, ratcheting	Metal, ratcheting	Metal, ratcheting	Metal, ratcheting	Ratcheting
Weight	5.2 lbs	3.5 lbs.	6.2 lbs	3.5 lbs / 2.6 lbs (tool only)	3.4 lbs / 2.7 lbs (tool only)
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 18V XRP™	Charger / (2) 20V MAX* XR Lithium Ion (2.0 Ah)	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)
Includes	360° side handle	(2) *DEW* **PCC680L** Lithium Ion Compact Batteries, (1) *DEW* **PCC690L** Lithium Ion Charger, (1) Double-Ended Bit & (1) Kit box	360° side handle	On-board bit tip holder & belt hook	Belt hook

CORDLESS DRILL/DRIVERS



18V Compact Lithium Ion 1/2 In. (13mm) Drill/Driver Kit



18V Compact 1/2 In. (13mm) Drill/Driver Kit



1/2 In. 20V Cordless 2-Speed Drill/Driver Kit



1/2 In. Dr. 20V Cordless Hammer Drill/Driver Kit

Kit Item No.	*DEW* **DCD760KL**	*DEW* **DC720KA**	*IR* **D5140-K2**	*CP* **CP8548K**
Tool Only Item No.	*DEW* **DCD760B**	—	*IR* **D5140**	*CP* **CP8548**
Volts	18V	18V	20V	20V
Max Power	350 UWO	410 UWO	700 UWO	—
# of Speed Settings	2	2	2	24
No Load Speed	—	—	—	0-450 / 0-1,600
Max RPM	0-500 / 0-1,700 rpm	0-500 / 0-1,700 rpm	0-500/0-1,900	1,600
Max BPM	—		—	25,600
Chuck Size	1/2"	1/2"	1/2"	1/2" spindle lock
Chuck Type	Plastic, ratcheting	Plastic, ratcheting	Metal, Keyless	keyless chuck
LEDs	—	—	—	Yes
Tool Length	—	—	—	9.35"
Weight	4.0 lbs 3.0 lbs (tool only)	4.8 lbs	5.4 lbs.	5.3 lb. incl. Battery
Charger/Batteries	Charger, (2) 18V Compact Lithium Ion	Charger / (2) 18V	20V IQV Charger, 20V 3.0 Ah Li-Ion Battery	1 Charger 20V (*CP* **CP20CHU**) / 20V Lithium-Ion 4Ah (*CP* **CP20XP**)
Charging Time	—	—	—	90 min
Includes	—	—	(2) Batteries,Charger, and Case	(2) Batteries, Charger and Case

CORDLESS IMPACT DRIVERS



20V MAX* XR® Lithium Ion Brushless 1/4 in. (6.35mm) 3-Speed Impact Driver



20V MAX* XR® Lithium Ion Brushless 1/4 In. (6.35mm) 3-Speed Impact Driver



20V MAX Lithium Ion 1/4 In. (6.35mm) Impact Driver Kit



20V MAX* XR® Lithium Ion Brushless 1/4 In. (6.35mm) Impact Driver Kit



20V MAX* XR® Lithium Ion Brushless 1/4 In. (6.35mm) Impact Driver Kit

Kit Item No.	*DEW* **DCF895M2**	—	*DEW* **PCCK640LB**	*DEW* **DCF886M2**	*DEW* **DCF887D2**
Tool Only Item No.	—	*DEW* **DCF895B**	—	—	*DEW* **DCF887B**
Volts	20V MAX*	20V MAX*	20V MAX*	20V MAX*	20V MAX*
Drive Size	1/4" Hex shank push-button release	1/4" Hex shank push-button release	1/4" Hex shank quick release	1/4" Hex shank quick release	1/4" Hex shank quick release
No Load Speed	0 - 2,850 / 1,900 / 950 rpm	0 - 2,850 / 1,900 / 950 rpm	0 - 2,800 rpm	0 - 2,800 rpm	0 - 2,800 rpm
Impacts/Min	0 - 3,300 / 2,400 / 1,300 ipm	0 - 3,300 / 2,400 / 1,300 ipm	0 - 3,200 ipm	0 - 3,200 ipm	0 - 3,200 ipm
Max Torque (in-lbs)	1,500 / 900 / 500 in-lbs	1,500 / 900 / 500 in-lbs	1,500 in-lbs	1,500 in-lbs	1,500 in-lbs
Max Torque (ft-lbs)	125 ft-lbs	125 ft-lbs	125 ft-lbs	125 ft-lbs	125 ft-lbs
LEDs	3	3	1	3	3
Tool Length	5.25"	5.25"	5.5"	5.5"	5.5"
Weight	3.6 lbs	2.2 lbs (tool only)	3.2 lbs.	3.4 lbs.	2.9 lbs / 2.1 lbs (tool only)
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	—	(2) *DEW* **PCC680L** Lithium Ion Compact Batteries, (1) *DEW* **PCC690L** Lithium Ion Charger,	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (2.0 Ah)
Includes	Belt hook & accessory storage	—	(1) #2 PH Screwdriving Bit & (1) Kit box	Belt hook	Belt hook

CORDLESS IMPACT DRIVERS & WRENCHES



20V MAX* Lithium Ion 1/4 In. (6.35mm) Impact Driver Kit



18V XRP™ 1/4 In. (6.35mm) Impact Driver Kit



12V MAX* Lithium Ion 1/4 In. (6.35mm) Impact Driver Kit



1/4 In. 12V Impactool™ Cordless Impact Wrench Kit



1/4 In. 12V Impactool™ Cordless Impact Wrench Kit

Kit Item No.	*DEW* **DCF885C2**	*DEW* **DC825KA**	*DEW* **DCF815S2**	*IR* **W1110-K2**	*IR* **W1120-K2**
Tool Only Item No.	*DEW* **DCF885B**	*DEW* **DC825B**	—	*IR* **W1110**	*IR* **W1120**
Volts	20V MAX*	18V	12V MAX*	12V	12V
Drive Size	1/4" Hex shank quick release	1/4" Hex shank quick release	1-Handed loading, 1/4" hex chuck	1/4" Hex, Quick Change	1/4" Hex, Quick Change
No Load Speed	2,800 rpm	0-2,400 rpm	0-2,450 rpm	0-2,700 rpm	0-2,700
Impacts/Min	3,200 ipm	0-2,700 ipm	0-3,400 ipm	3,300	3,300
Max Torque (in-lbs)	1,400 in-lbs	1,330 in-lbs	950 in-lbs	1,200	1,200
Max Torque (ft-lbs)	117 ft-lbs	111 ft-lbs	79 ft-lbs	100	100
LEDs	3	1	3	—	—
Tool Length	5.5"	5.75"	6.25"	5.9"	5.9
Weight	2.8 lbs / 2.0 lbs (tool only)	4.6 lbs / 2.2 lbs (tool only)	2.3 lbs	2.32	2.30
Charger/Batteries	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)	Charger / (2) 18V XRP™	Charger / (2) 12V MAX*Lithium Ion	12V IQV Charger, 12V 2.0 Ah Li-Ion battery	12V IQV Charger, 12V 2.0 Ah Li-Ion battery
Includes	Belt hook	— —	(1) Belt hook	Impact Wrench, Charger, (2) Li-Ion Batteries and Tool Bag	Impact Wrench, (2) Li-Ion Batteries and Tool Bag

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CORDLESS IMPACT DRIVERS & WRENCHES



1/4 In. Dr. 12V Cordless Impact Driver Kit



20V MAX* Lithium Ion 3/8 In. (9.5mm) Impact Wrench w/ Hog Ring Kit



18V XRP™ 3/8 In. (9.5mm) Impact Wrench Kit



12V MAX* Lithium Ion 3/8 In. (9.5mm) Impact Wrench Kit



3/8 In. 12V Impactool™ Cordless Impact Wrench Kit

Kit Item No.	*CP* **CP8818K**	*DEW* **DCF883M2**	*DEW* **DC823KA**	*DEW* **DCF813S2**	*IR* **W1130-K2**
Tool Only Item No.	*CP* **CP8818**	*DEW* **DCF883B**	*DEW* **DC823B**	—	*IR* **W1130**
Volts	12V	20V MAX*	18V	12V MAX*	12V
Drive Size	1/4" Hex quick change	3/8" Square w/ hog ring anvil	3/8" Square w/ hog ring anvil	3/8" Anvil	3/8" Square
No Load Speed	2,000	0-2,300 rpm	0 - 2,400 rpm	0-2,450 rpm	0-2,700 rpm
Impacts/Min	—	0-2,700 ipm	0 - 2,700 ipm	0-3,400 ipm	3,300
Max Torque (in-lbs)	1,020	1,560 in-lbs	1,500 in-lbs	1,150 in-lbs	1,200
Max Torque (ft-lbs)	85	130 ft-lbs	125 ft-lbs	96 ft-lbs	100
Switch	—	Variable Speed	Variable Speed	Variable Speed	—
LEDs	Yes	3	1	3	—
Tool Length	6.3"	5.7"	5.75"	6.25"	5.9"
Weight	2.4 lb. incl. Battery	3.4 lbs / 2.2 lbs (tool only)	4.6 lbs / 2.2 lbs (tool only)	2.3 lbs	2.30 lbs.
Charger/Batteries	1 Charger 12V (*CP* **CP-12CHU**) 12V Lithium-Ion 1.5Ah (*CP* **CP12XP**)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 18V XRP™	Charger / (2) 12V MAX* Lithium Ion	12V IQV Charger, 12V 2.0 Ah Li-Ion battery
Charging Time	30 min	—	—	—	—
Includes	(2) Batteries, Charger and Case	—	—	—	Charger, (2) Li-Ion Batteries and Tool Bag

CORDLESS IMPACT WRENCHES



3/8 In. Cordless Mid-Torque Impactool™ Impact Wrench Kit



3/8 In. Dr. 20V Cordless Impact Wrench Kit



20V MAX Brushless High Torque Impact Wrench Kit w/ Detent Anvil



20V MAX Brushless High Torque Impact Wrench Kit w/ Hog Ring Anvil

Kit Item No.	*IR* **W5130-K2**	*CP* **CP8828K**	*DEW* **DCF899P1**	*DEW* **DCF899HP2**
Tool Only Item No.	*IR* **W5130**	*CP* **CP8828**	*DEW* **DCF899B**	*DEW* **DCF899HB**
Volts	20V	20V	20V MAX*	20V MAX*
Drive Size	3/8"	3/8" w/ friction ring retention	1/2" Square w/ detent ring anvil	1/2" Square w/ hog ring anvil
No Load Speed	0-1,700	2,400	—	—
Impacts/Min	2,900	—	—	—
Max Torque (in-lbs)	2,900	1,800	14,400 in-lbs	14,400 in-lbs
Max Torque (ft-lbs)	2,160	150	1,200 ft-lbs	1,200 ft-lbs
Switch	—	—	Variable Speed	Variable Speed
LEDs	—	Yes	1	1
Tool Length	6.5"	6.1"	8.81"	8.81"
Weight	2.32	3.99 lb. incl. Battery	7.2 lbs	7.2 lbs
Charger/Batteries	12V IQV Charger, 12V 2.0 Ah Li-Ion battery	1 Charger 20V (*CP* **CP20CHU**) / 20V Lithium-Ion 4Ah (*CP* **CP20XP**)	(2) 5.0 Ah Batteries / (1) Multi-Voltage Charger	(2) 5.0 Ah Batteries / (1) Multi-Voltage Charger
Charging Time	—	90 min	—	—
Includes	Impact Wrench, Charger, (2) Li-Ion Batteries and Tool Bag	(2) Batteries, Charger and Case	—	—

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CORDLESS IMPACT WRENCHES



	20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Detent Pin Anvil	20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Hog Ring Anvil	18V XRP™ 1/2 In. (13 mm) High Torque Impact Wrench Kit w/ Detent Pin Anvil	18V XRP™ 1/2 In. (13mm) High Torque Impact Wrench Kit w/ Hog Ring Anvil	20V MAX* Lithium Ion 1/2 In. (13 mm) Impact Wrench Kit w/ Detent Pin
Kit Item No.	*DEW* **DCF889M2**	*DEW* **DCF889HM2**	*DEW* **DW059K-2**	*DEW* **DW059HK-2**	*DEW* **DCF880M2**
Tool Only Item No.	*DEW* **DCF889B**	**DCF889HB**	*DEW* **DW059B**	*DEW* **DW059HB**	*DEW* **DCF880B**
Volts	20V MAX*	20V MAX*	18V	18V	20V MAX*
Drive Size	1/2" Square w/ detent pin anvil	1/2" Square w/ hog ring anvil	1/2" Square w/ detent pin anvil	1/2" Square w/ hog ring anvil	1/2" Square w/ detent pin anvil
No Load Speed	0-1,500 rpm	0-1,500 rpm	1,650 rpm	1,650 rpm	0-2,300 rpm
Impacts/Minute	0-2,300 ipm	0-2,300 ipm	2,600 ipm	2,600 ipm	0-2,700 ipm
Max Torque (in-lbs)	4,800 in-lbs	4,800 in-lbs	3,600 in-lbs	3,600 in-lbs	1,800 in-lbs
Max Torque (ft-lbs)	400 ft-lbs	400 ft-lbs	300 ft-lbs	300 ft-lbs	150 ft-lbs
Switch	Variable Speed	Variable Speed	Rocker	Rocker	Variable Speed
LEDs	—	—	—	—	3
Tool Length	10.75"	10.75"	10.75"	10.75"	5.7"
Weight	6.7 lbs / 5.3 lbs (tool only)	6.7 lbs	7.5 lbs / 5.3 lbs (tool only)	7.5 lbs / 5.3 lbs (tool only)	3.4 lbs / 2.2 lbs (tool only)
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 18V XRP™	Charger / (2) 18V XRP™	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)

CORDLESS IMPACT WRENCHES



	20V MAX* Lithium Ion 1/2 In. (13mm) Impact Wrench Kit w/ Hog Ring Anvil	18V XRP™ 1/2 In. (13mm) Impact Wrench Kit	1/2 IN. 20V Cordless High-Torque Impactool™ Impact Wrench Kit	1/2 In. 20V Cordless High-Torque Impactool™ Impact Wrench Kit w/ 2 in. Ext. Anvil
Kit Item No.	*DEW* **DCF880HM2**	*DEW* **DC820KA**	*IR* **W7150-K1**	*IR* **W7250-K2**
Tool Only Item No.	—	*DEW* **DC820B**	*IR* **W7150-K2**	*IR* **W725**
Volts	20V MAX*	18V	20V	20V
Drive Size	1/2" Square w/ hog ring anvil	1/2" Square w/ detent pin anvil	1/2"	1/2"
No Load Speed	0-2,300 rpm	0 - 2,400 rpm	1,900	0-1,900
Impacts/Minute	0-2,700 ipm	0 - 2,700 ipm	0-2,300	0-2,300
Max Torque (in-lbs)	1,800 in-lbs	1,740 in-lbs	780	780
Max Torque (ft-lbs)	150 ft-lbs	145 ft-lbs	—	—
Switch	Variable Speed	Variable Speed	—	—
LEDs	3	1	—	—
Tool Length	5.7"	5.75"	9.4"	11.5"
Weight	3.4 lbs	4.6 lbs / 2.2 lbs (tool only)	6.3 lbs.	6.9 lbs.
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)	Charger / (2) 18V XRP™	(1) IQV20 Charger/(1 or 2) 20V 3.0 Ah Li-Ion battery	20V IQV Charger, 20V 3.0 Ah Li-Ion battery
Includes	—	—	Includes Tool,(1) Charger (1 or 2) 20V Li-Ion 3.0 Ah Battery, Case	(2) Batteries, Charger, and Case

CORDLESS IMPACT WRENCHES



1/2 In. Cordless Mid-TorqueImpactool™ Impact Wrench Kit



1/2 In. 20V Impactool™ Cordless Impact Wrench Kits



1/2 In. Dr. 20V Cordless Impact Wrench Kit



1/2 In. Dr. 20V Cordless Impact Wrench w/ 2 In Ext. Anvil Kit

Kit Item No.	*IR* **W5150-K2**	*IR* **W7150-K12**	*CP* **CP8848K**	*CP* **CP88482K**
Tool Only Item No.	*IR* **W5150**	*IR* **W7150-K22**	*CP* **CP8848**	*CP* **CP88482**
Volts	20V	20V	20V	20V
Drive Size	1/2"	1/2"	1/2" w/ friction ring retention	1/2" w/ friction ring retention 2" Extension anvil
No Load Speed	0-1,700 rpm	0-1,900 rpm	1,900	1,900
Impacts/Minute	2,900	2,300	—	—
Max Torque (in-lbs)	2,160	9,360	9,300	9,300
Max Torque (ft-lbs)	180	780	775	775
Switch	—	—	—	—
LEDs	—	—	Yes	Yes
Tool Length	6.5"	9.4"	9.5"	11.5"
Weight	10 lbs.	6.8 lbs.	6.94 lb. incl. Battery	7.38 lb. incl. Battery
Charger/Batteries	20V IQV Charger, 20V 2.5 Ah Li-Ion battery	20V IQV Charger, 20V 5.0 Ah Li-Ion battery	1 Charger 20V (*CP* **CP20CHU**) / 20V Lithium-Ion 4Ah (*CP* **CP20XP**)	1 Charger 20V (*CP* **CP20CHU**) / 20V Lithium-Ion 4Ah (*CP* **CP20XP**)
Charging Time	—	—	90 min	90 min
Includes	(2) Batteries,Charger, and Case	Includes Tool,20V li-ion 5.0 Ah battery, IQV Charger and Case	(2) Batteries, Charger and Case	(2) Batteries, Charger and Case

CORDLESS RIGHT ANGLE IMPACT WRENCHES & DRILL/DRIVER



3/8 In. 20V Impactool™ Cordless Right Angle Impact Wrench Kit



1/2 In. 20V Impactool™ Cordless Right Angle Impact Wrench Kit



20V MAX* Lithium Ion 3/8 In. (9.5mm) Right Angle Drill/Driver Kit

1 Battery Kit Item No.	*IR* **W5330-K12**	*IR* **W5350-K12**	*DEW* **DCD740C1**
2 Battery Kit Item No.	*IR* **W5330-K22**	*IR* **W5350-K22**	—
Tool Only Item No.	*IR* **W5330**	*IR* **W5350**	*DEW* **DCD740B**
Volts	20V	20V	20V MAX*
Drive Size	3/8"	3/8"	—
Impacts Per Min	3,000	3,000	—
No-Load Speed (RPM)	1,900	1,900	—
Max Power/Torque	180	180	360 UWO
Speed	—	—	—
Chuck Size	—	—	3/8"
# of Speed Settings	—	—	2
RPM	—	—	0-650/0-2,000 rpm
Chuck Type	—	—	Plastic, ratcheting
Length	17.25 L x 2.13 W x 2.2 H	17.25 L x 2.13 W x 2.2 H	—
Weight	5.15 lbs. / 4.55 lbs. (Tool Only)	5.15 lbs. / 4.55 lbs. (Tool Only)	3.8 lbs / 3.0 lbs (tool only)
Charger/Batteries	*IR* **BL2012** 20V Li-Ion Battery *IR* **BC1120** 1-Hour Charger	*IR* **BL2012** 20V Li-Ion Battery *IR* **BC1120** 1-Hour Charger	Charger / (1) 20V MAX* Lithium Ion (1.5 Ah)
Includes	1 or 2 Batteries, Case, Tool, Charger	1 or 2 Battery, Case, Tool, Charger	Belt hook & 2" Phillips bit tip

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CORDLESS SCREWDRIVERS



12V MAX* Lithium Ion 1/4 In. (6.35 mm) Screwdriver Kit



8V MAX* Gyroscopic Screwdriver Kit



8V MAX* Gyroscopic Screwdriver Kit



4v MAX Gyro™ Rechargeable Screwdriver

Kit Item No.	*DEW* **DCF610S2**	*DEW* **DCF680N2**	*DEW* **DCF680N1**	*DEW* **BDCS40G**
Volts	12V MAX*	8V MAX*	8V MAX*	4V
Drive Size	1/4"	1/4" Hex	1/4" Hex	—
No Load Speed	0 - 1,050 rpm	0 - 430 rpm	0 - 430 rpm	—
Chuck	1-Handed Loading, 1/4" Hex Chuck	1-Handed Loading, 1/4" Hex Chuck	1-Handed Loading, 1/4" Hex Chuck	—
Motion Activated	—	Yes	Yes	Yes
LEDs	3	3	3	1
Charger/ Batteries	Charger / (2) 12V MAX* Lithium Ion	Charger / (2) 8V MAX* Compact Batteries	Charger / (1) 8V MAX* Compact Battery	(2) 1" bits

CORDLESS IMPACT RATCHETS



1/4 In. 12V Cordless Impact Ratchets



3/8 In. 12V Cordless Impact Ratchets



3/8 In. Cordless Ratchet Kit



1/2 In. Cordless Ratchet Kit

Kit Item No.	*IR* **R1120-K1**	*IR* **R1130-K1**	*IR* **R3130-K2**	*IR* **R3150-K2**
Tool Only Item No	*IR* **R1120**	*IR* **R1130**	*IR* **R3130**	*IR* **R3150**
Drive Size	1/4" Square	3/8" Square	3/8"	1/2"
Max. Torque	30	30	54 ft.-lbs.	54 ft.-lbs.
Speed	0-260	0-260	225	225
Charger/Batteries	12V IQV Charger, 12V 2.0 Ah Li-Ion battery	12V IQV Charger, 12V 2.0 Ah Li-Ion battery	20V IQV Charger, 20V 2.5 Ah Li-Ion Battery	20V IQV Charger, 20V 2.5 Ah Li-Ion Battery
Includes	Impact Ratchet, Charger, 1 Li-Ion Battery and Tool Bag	Impact Ratchet, Charger, 1 Li-Ion Battery and Tool Bag	(2) Batteries,Charger, and Case	(2) Batteries, Charger, and Case

CORDLESS METAL CUTTING SAWS



20V MAX* Lithium Ion 5-1/2 In. (127mm) Metal Cutting Circular Saw Kit

Kit Item No.	*DEW* **DCS373P2**
Tool Only Item No.	*DEW* **DCS373B**
Volts	20V MAX*
No Load Speed	3,700 rpm
Blade Diameter	5 1/2"
Depth of Cut at 90°	1 11/16"
Weight	8.3 lbs / 7.0 lbs (tool only)
Charger/Batteries	Charger, (2) 20V MAX* XR Lithium Ion (5.0 Ah)
Includes	5 1/2" carbide tipped bade

CORDLESS JIG SAW



20V MAX* Lithium Ion Jig Saw Kit

Kit Item No.	*DEW* **DCS331M1**
Tool Only Item No.	—
Volts	20V MAX*
Strokes/Min	0 - 3,000 spm
Stroke Length	1"
Keyless Blade Clamp	Yes
Dust Blower	Yes
Weight	6.8 lbs
Charger/Batteries	Charger, (1) 20V MAX* XR Lithium Ion (4.0 Ah)
Includes	Jig saw blade

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CORDLESS RECIPROCATING SAWS



36V Lithium Ion Reciprocating Saw Kit



20V MAX* Lithium Ion Reciprocating Saw Kit



18V Reciprocating Saw



12V MAX* Lithium Ion Pivot Reciprocating Saw Kit

Kit Item No.	*DEW* **DC305K**	*DEW* **DCS380P1**	—	*DEW* **DCS310S1**
Tool Only Item No	—	*DEW* **DCS380B**	*DEW* **DC385B**	—
Volts	36V	20V MAX*	18V	12V MAX*
Stroke/Min	0-3,000 spm	0-3,000 spm	0-3,000 spm	0-2,700 spm
Stroke Length	1 1/8"	1 1/8"	1 1/8"	9/16"
Keyless Blade Clamp	Yes, 4-position	Yes, 4-position	Yes, 4-position	Yes
Adjustable Shoe	Yes	Yes	Yes	Yes
Electric Brake	Yes	Yes	Yes	Yes
Weight	8.4 lbs	7.3 lbs / 6.0 lbs (tool only)	5.8 lbs (tool only)	3.1 lbs
Charger/Batteries	Charger / (1) 36V Lithium Ion	Charger / (1) 20V MAX* XR Lithium Ion (5.0 Ah)	Sold Separately	Charger / (1) 12V MAX* Lithium Ion

CORDLESS MULTI-TOOL



20V MAX* XR® Lithium Ion Oscillating Multi-Tool Kit

Kit Item No.	*DEW* **DCS355D1**
Tool Only Item No	*DEW* **DCS355B**
Volts	20V MAX*
Oscillations/Min	0-20,000 opm
Oscillations Angle	1.6°
Variable Speed	Yes
Keyless Accessory Change	Yes
LED Light	Yes
Weight	3.2 lbs / 2.1 lbs Tool Only
Charger/Batteries	Charger / (1) 20V MAX* XR Lithium Ion
Includes	28 Accessory pieces

CORDLESS SHEARS



18V 18 Gauge Off-Set Shear



18V 18 Gauge Swivel Head and Shear

Tool Only Item No.	*DEW* **DC495B**	*DEW* **DC490B**
Volts	18V	18V
Stroke/Min	0-2,300 spm	0-2,300 spm
Min. Cutting Radius	1"	5.5"
Capacity in Steel	18 Gauge	18 Gauge
Weight	3.7 lbs (tool only)	3.7 lbs (tool only)
Charger/Batteries	Sold Separately	Sold Separately
Includes	Blade wrench	Blade wrench

CORDLESS CUT-OFF TOOLS



20V MAX* Lithium Ion 4-1/2 In. (114mm) / 5" (127mm) Grinder Kit



18V XRP™ Cut-Off Tool Kit



4-1/2 In. 18V Cordless Cut-Off Tool/ Angle Grinder

Kit Item No.	*DEW* **DCG412P2**	*DEW* **DC411KA**	*DEW* **PC18AG**
Tool Only Item No.	*DEW* **DCG412B**	*DEW* **DC411B**	—
Volts	20V MAX*	18V	18V
No Load Speed	7,000 rpm	6,500 rpm	8,500
Spindle Lock	Yes	Yes	Yes
Spindle Thread	5/8"	5/8" - 11	5/8" - 11
Weight	6.5 lbs / 5.1 lbs (tool only)	7.0 lbs / 4.6 lbs (tool only)	4.1 lbs
Charger/Batteries	Charger / (2) 20V MAX* XR Lithium Ion (5.0 Ah)	1-Hour Charger / (2) 18V XRP™	NICD or Lithium Ion
Includes	5" (125mm) Type 27 guard, Wrench & 2-position side handle	4-1/2" (115mm) Type 1 guard, Wrench, (2) matched flanges, 2-position side handle & 4 1/2" cutting wheel	Grinding wheel; cut-off grinding wheel, cut-off wheels, grinding guard, metal cutting guard, side handle & wrench

CORDLESS BAND SAWS



20V MAX* Lithium Ion Band Saw



18V Band Saw

Kit Item No.	*DEW* **DCS371P1**	—
Tool Only Item No.	—	*DEW* **DCS370B**
Volts	20V MAX*	18V
Ft/Min	570 fpm	570 fpm
Blade Length	32⅞	32⅞"
Max Capacity	2½"	2½"
Tool Length	15"	15"
Weight	9.4	7.7 lbs (tool only)
Charger/Batteries	Charger / (1) 20V MAX* XR Lithium Ion (5.0 Ah)	Sold Separately
Includes	14/18 blade, blade tracking wrench	14/18 blade, blade tracking wrench

CORDLESS COMBO KITS



20V MAX* Lithium Ion 5-Tool Combo Kit



20V MAX* Lithium Ion 4-Tool Combo Kit



20V MAX* XR® Lithium Ion Brushless 2-Tool Combo Kit



20V MAX* XR® Lithium Ion Brushless 2-Tool Combo Kit

Item No.	*DEW* **DCK590L2**	*DEW* **DCK490L2**	*DEW* **DCK286D2**	*DEW* **DCK296M2**
Volts	20V MAX*	20V MAX*	20V MAX*	20V MAX*
Circular Saw	*DEW* **DCS393** (6½")	—	—	—
Reciprocating Saw	*DEW* **DCS381**	*DEW* **DCS381**	—	—
Cut-Off Tool	—	—	—	—
Cut-Out Tool	—	—	—	—
Jig Saw	—	—	—	—
Hammerdrill/Drill/Driver	—	—	—	—
Hammerdrill	*DEW* **DCD985**	*DEW* **DCD985**	—	*DEW* **DCD995**
Drill/Driver	—	—	*DEW* **DCD795**	—
Impact Driver	*DEW* **DCF885**	*DEW* **DCF885**	*DEW* **DCF886**	*DEW* **DCF886**
Impact Wrench	—	—	—	—
LED Worklight	*DEW* **DCL040**	*DEW* **DCL040**	—	—
Flexible Floodlight	—	—	—	—
Charger/Batteries	Charger / (2) 20V MAX* Lithium Ion (3.0 Ah)	Charger / (2) 20V MAX* Lithium Ion (3.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (2.0 Ah)	Charger / (2) 20V MAX* XR Lithium Ion (4.0 Ah)
Includes	360° Side handle, carbide tipped circular saw blade, & belt hook	360° Side handle & belt hook	(2) Belt hooks and bit holder	(2) Belt hooks, bit holder & 360° side handle

CORDLESS COMBO KITS



20V MAX Lithium Drill & Project Kit



20V MAX* Lithium Ion 2-Tool Combo Kit



20V Max Lithium 2-Tool Combo Kit



18V XRP™ Lithium Ion 9-Tool Combo Kit

Item No.	*DEW* **LDX120PK**	*DEW* **DCK280C2**	*DEW* **PCCK602L2**	*DEW* **DCK955X**
Volts	20V MAX*	20V MAX*	20V MAX*	18V
Circular Saw	—	—	—	*DEW* **DC390** (6½")
Reciprocating Saw	—	—	—	*DEW* **DC385**
Cut-Off Tool	—	—	—	*DEW* **DC411**
Cut-Out Tool	—	—	—	*DEW* **DC550**
Jig Saw	—	—	—	*DEW* **DC330**
Hammerdrill/Drill/Driver	—	—	*DEW* **PCC600LB**	*DEW* **DCD950**
Hammerdrill	—	—	—	—
Drill/Driver	—	*DEW* **DCD780**	—	*DEW* **DC825**
Impact Driver	—	*DEW* **DCF885**	*DEW* **PCC640LB**	*DEW* **DW059**
Impact Wrench	—	—	—	—
LED Worklight	—	—	—	—
Flexible Floodlight	—	—	—	*DEW* **DW919**
Charger/Batteries	Lithium Ion Battery	Charger / (2) 20V MAX* Lithium Ion (1.5 Ah)	Fast Charger/(2) Lithium Ion Batteries	Charger / (2) 18V XRP™
Includes	66 Hand tools, accessories and carrying bag	(2) Belt hooks	#2 PH Screwdriving Bit Kit Bag	360° side handle, carbide tipped circular saw blade, type 1guard, wrench, (2) matched flanges, 2position side handle

CORDLESS COMBO KITS



18V XRP™ Lithium Ion 4-Tool Combo Kit



18V XRP™ Lithium Ion 4-Tool Combo Kit



18V XRP™ Lithium Ion 2-Tool Combo Kit



18V XRP™ Lithium Ion 2-Tool Combo Kit

Item No.	*DEW* **DCK455X**	*DEW* **DCK450X**	*DEW* **DCK275L**	*DEW* **DCK255X**
Volts	18V	18V	18V	18V
Circular Saw	—	*DEW* **DC390** (6½")	—	—
Reciprocating Saw	*DEW* **DC385**	*DEW* **DC385**	—	—
Cut-Off Tool	—	—	—	—
Cut-Out Tool	—	—	—	—
Jig Saw	—	—	—	—
Hammerdrill/Drill/Driver	—	*DEW* **DCD950**	*DEW* **DCD775**	*DEW* **DCD950**
Hammerdrill	*DEW* **DCD950**	—	—	—
Drill/Driver	—	—	—	—
Impact Driver	*DEW* **DC825**	—	*DEW* **DC827**	*DEW* **DC825**
Impact Wrench	—	—	—	—
LED Worklight	—	—	—	—
Flexible Floodlight	*DEW* **DW919**	*DEW* **DW919**	—	—
Charger/Batteries	Charger / (2) 18V XRP™	Charger / (2) 18V XRP™	NiCd/NiMH/Li-Ion Charger / (2) 18V XRP™ Lithium Ion	Charger / (2) 18V XRP™
Includes	360° Side handle	360° Side handle and carbide tipped circular saw blade	360° Side handle	360° Side handle

DEWALT

CORDLESS COMBO KITS



18V XRP™ Lithium Ion 2-Tool Combo Kit



12V MAX* Lithium Ion 4-Tool Combo Kit



12V MAX* Lithium Ion 2-Tool Combo Kit



12V MAX* Lithium Ion Drill/Driver / Impact Driver Combo Kit

Item No.	*DEW* **DCK251X**	*DEW* **DCK413S2**	*DEW* **DCK212S2**	*DEW* **DCK211S2**
Volts	18V	12V MAX*	12V MAX*	12V MAX*
Circular Saw	—	—	—	—
Reciprocating Saw	*DEW* **DC385**	*DEW* **DCS310**		*DEW* **DCS310**
Cut-Off Tool	—	—	—	—
Cut-Out Tool	—	—	—	—
Jig Saw	—	—	—	—
Hammerdrill/Drill/Driver	*DEW* **DCD950**	—	—	—
Hammerdrill	—	—	—	—
Drill/Driver	—	*DEW* **DCD710**	*DEW* **DCD710**	*DEW* **DCD710**
Impact Driver	—	*DEW* **DCF815**	—	*DEW* **DCF815**
Impact Wrench	—	—	—	—
LED Worklight	—	*DEW* **DCL510**	—	—
Flexible Floodlight	—	—	—	—
Charger/Batteries	Charger / (2) 18V XRP™	Charger / (2) 12V MAX* Lithium Ion	Charger / (2) 12V MAX* Lithium Ion	Charger / (2) 12V MAX* Lithium Ion
Includes	360° Side handle	Bit tip, (2) belt hooks, (1) wood cutting recip blade,	Belt hook, (1) wood cutting recip blade,	1 Bit tip and (2) belt hooks



DEW **DCB205** 20V MAX* Premium XR Lithium Ion Battery



DEW **DCB204** 20V MAX* Premium XR Lithium Ion Battery



DEW **DCB203** 20V MAX* XR Lithium Ion Compact Battery



DEW **DCB200** 20V MAX* Lithium Ion Battery



DEW **DCB201** 20V MAX* Lithium Ion Compact Battery



DEW **DCB127** 12V MAX* Lithium Ion Battery



DEW **DCB080** 8V MAX* Lithium Ion Battery

8V MAX*, 12V MAX* & 20V MAX* BATTERIES



8V MAX* Lithium Ion Battery Charger



12V MAX* – 20V MAX* Lithium Ion Battery Charger



12V MAX* - 20V MAX* Lithium Ion Charger/Radio



12V MAX* – 20V MAX* Lithium Ion Battery Charger



12V MAX* – 20V MAX* & 7.2V - 18V Dual System, Dual Port Charger

Chargers	Volts	*DEW* **DCB095**	*DEW* **DCB101**	*DEW* **DCR015**	*DEW* **DCB119**	*DEW* **DCB103**
DEW **DCB080**	8V MAX*	60	X	X	X	X
DEW **DCB127**	12V MAX*	X	30	45	30	30
DEW **DCB200**	20V MAX*	X	60	90	90	90
DEW **DCB201**	20V MAX*	X	30	45	30	30
DEW **DCB203**	20V MAX*	X	35	60	35	35
DEW **DCB204**	20V MAX*	X	70	120	70	70
DEW **DCB205**	20V MAX*	X	70	120	70	70

X=Not Compatible.



DEW **DCB361**
36V Lithium Ion Battery



DEW **DW0242**
24V XR+™ Pack Fan Cooled Extended Run-Time Battery



DEW **DC9096**
18V XRP™ Battery



DEW **DC9182**
18V XRP™ Lithium Ion Battery



DEW **DC9091**
14.4V XRP™ Battery



DEW **DC9071**
12V XRP™ Battery



DEW **DW9061**
9.6V Extended Run-Time Battery



DEW **DW9057**
7.2V Compact Battery



1-Hour Charger



NiCd/NiMH/ Li-Ion 1-Hour Charger



1-Hour Vehicle Charger



Dual Port 1-Hour Charger



Worksite Charger/Radio



12V MAX* – 20V MAX* & 7.2V - 18V Dual System, Dual Port Charger

Chargers	Volts	*DEW* DC9000	*DEW* DC9310	*DEW* DC9319	*DEW* DC9320	*DEW* DC012	*DEW* DCB103
DEW **DCB361**	36V	60	X	X	X	X	X
DEW **DW0242**	24V	X	X	X	X	X	X
DEW **DC9096**	18V	X	60	60	60	60	60
DEW **DC9182**	18V	X	60	60	60	60	60
DEW **DC9091**	14.4V	X	60	60	60	60	60
DEW **DC9071**	12V	X	60	60	60	60	60
DEW **DW9061**	9.6V	X	45	45	45	45	45
DEW **DW9057**	7.2V	X	30	30	30	30	30

X=Not Compatible

PORTER CABLE



DEW **PCL12BLX**



DEW **PC18B**



DEW **PCXMVC**



DEW **PC18BLX**



DEW **PCC680L**

CHARGERS & BATTERIES

Battery Item No	Volts	Charge Time *DEW* PCXMVC
DEW **PCL12BLX**	12V MAX	
DEW **PC18B**	18V	45
DEW **PC18BLX**	18V	30
DEW **PCC680L**	20V	

Ingersoll Rand



IR **BL2012**



IR **BL2010**



IR **BC1120**

20V LITHIUM ION BATTERIES & CHARGER

Item No.	*IR* BL2012	*IR* BL2010	*IR* BC1120
Li-Ion Ah	2.5	3.0	1-Hour Charger



DEW **HPB12**



DEW **HPB14**



DEW **HPB18**



DEW **HPB96**



DEW **LBXR12**



DEW **L2AFCBST**



DEW **LBXR20**

BATTERIES & CHARGER

Item No.	Description
DEW **HPB12**	12 Volt Battery
DEW **HPB14**	14 Volt Battery
DEW **HPB18**	18 Volt Battery
DEW **HPB96**	9.6 Volt Battery
DEW **FSMVC**	9.6-18 Volt Fast Charger (Not Illustrated)
DEW **LBXR12**	12 Volt Lithium Battery
DEW **LBXR20**	20 Volt Lithium Ion Battery - 1.5 Ah
DEW **L2AFCBST**	Lithium Ion Fast Charger with Flash Charge

3/8 IN. CORDED VSR DRILLS



3/8 In. (9.5 mm) VSR Pistol Grip Drill w/ Keyless Chuck



3/8 In. (9.5 mm) VSR Pistol Grip Drill Kit w/ Keyless Chuck



3/8 In. (9.5mm) 6A VSR Drill

Item No.	*DEW* **DWD112**	*DEW* **DWD110K**	*DEW* **PC600D**
Chuck Size	3/8"	3/8"	3/8"
Keyless Chuck	Yes	Yes	Yes
Amps	8.0 Amps	8.0 Amps	8.0 Amps
No Load Speed	0 - 2,500 rpm	0 - 2,500 rpm	0 - 2,500 rpm
Max Watts Out	650 W	650 W	650 W
Capacity In Wood (Spade Bit)	1"	1"	1"
Capacity In Wood (Auger Bit)	—	—	—
Capacity In Wood (Hole Saw)	1 1/8"	1 1/8"	1 1/8"
Capacity In Steel (Twist Bit)	3/8"	3/8"	3/8"
Tool Weight	4.1 lbs	4.1 lbs	4.1 lbs
Includes	—	—	—

1/2 IN. CORDED VSR DRILLS



1/2 In. (12.7mm) VSR Drill w/ Keyless Chuck



1/2 In. (12.7mm) VSR Drill



1/2 In. (12.7mm) VSR Drill

Item No.	*DEW* **DW246**	*DEW* **DW245**	*DEW* **DW235G**
Chuck Size	1/2"	1/2"	1/2"
Keyless Chuck	Yes	No	No
Amps	7.8 Amps	7.8 Amps	8.5 Amps
No Load Speed	0 - 600 rpm	0 - 600 rpm	0 - 850 rpm
Max Watts Out	600 W	600 W	600 W
Capacity In Wood (Spade Bit)	1 1/2"	1 1/2"	1 1/2"
Capacity In Wood (Auger Bit)	1 1/2"	1 1/2"	1 1/8"
Capacity In Wood (Hole Saw)	2 3/4"	2 3/4"	1 1/2"
Capacity In Steel (Twist Bit)	1/2"	1/2"	1/2"
Tool Weight	4.4 lbs	4.4 lbs	4.2 lbs
Includes	360° Side handle	360° Side handle and chuck key with holder	360° Side handle and chuck key with holder

CORDED IMPACT WRENCHES



1/2 In. (12.7mm) Impact Wrench



1/2 In. (12.7mm) Impact Wrench



3/4 In. (19mm) Impact Wrench



3/4 In. (19mm) Impact Wrench

Item No.	*DEW* **DW292**	*DEW* **DW293**	*DEW* **DW294**	*DEW* **DW297**
Amps	7.5 Amps	7.5 Amps	7.5 Amps	7.5 Amps
No Load Speed	2,100 rpm	2,100 rpm	2,100 rpm	1,600 rpm
Max. Torque	345 ft-lbs	345 ft-lbs	345 ft-lbs	434 ft-lbs
Impacts/Min	2,700 ipm	2,700 ipm	2,700 ipm	1,800 ipm
Anvil Type	Detent Pin	Hog Ring	Detent Pin	Detent Pin
Tool Length	11 1/4"	11 1/4"	11 1/4"	13"
Tool Weight	7.0 lbs	7.0 lbs	7.0 lbs	11.0 lbs
Includes	Kitbag	—	—	360° Side handle

CORDED RECIPROCATING SAWS



13 Amp Reciprocating Saw Kit



10 Amp Reciprocating Saw



7.5 AMP Corded Reciprocating Saw

Item No.	*DEW* **DW311K**	*DEW* **DWE304PK**	*DEW* **PC75TRS**
Amps	13 Amps	10 Amps	7.5 Amps / 120V AC Only
Strokes/Min	0 - 2,700 spm	0 - 2,800 spm	0–3,200 spm
Stroke Length	1 1/8"	1 1/8"	1 1/8"
Keyless Blade Clamp	Twist	Lever	—
4-Position Blade Clamp	No	Yes	—
Adjustable Shoe	Yes	No	—
Variable-Speed Trigger	Yes	Yes	—
Variable-Speed Dial	Yes	No	—
Orbital Action	Yes	No	—
Anti-Slip Comfort Grip	Yes	No	—
Includes	—	—	6" Woodcutting Blade

CORDED ANGLE GRINDERS



4-1/2 In. (115mm) Small Angle Grinder



4-1/2 In. (115mm) Small Angle Grinder"



4-1/2 In. 6 Amp Angle Grinder



4-1/2 In. 7 Amp Angle Grinder / Cut-Off Tool

Item No.	*DEW* **DWE4011**	*DEW* **DWE402**	*DEW* **PC60TAG**	*DEW* **PC60TPAG**
Amps	7.0 AC/DC Amps	11 AC/DC Amps	7 Amps / 120V AC only	7 Amps / 120V AC only
Max Watts Out / Max Horsepower	850 W / 1.14 HP	1,400 W / 1.8 HP	—	—
No Load Speed	12,000 rpm	11,000 rpm	11,000	11,000
Spindle Thread	5/8"-11	5/8"-11	5/8"-11	5/8"-11
Switch Type	Slide	Paddle w/ lock-on	Slide	Slide
Dust Ejection System™	No	Yes	No	No
Tool-Free Flange System	Yes	Yes	Yes	Yes
Tool Length	10-3/4"	12"	10-3/4"	10-3/4"
Tool Weight	3.9 lbs	4.6 lbs	3.9 lbs	3.9 lbs
Includes	2-Position side handle, One-Touch™ guard type 27 and wrench	2-Position side handle, One-Touch™ guard type 27 and wrench	4 1/2" Grinding wheel, grinding wheel guard, wrench & side handle	4 1/2" Grinding guard, grinding wheel, cutting guard, cutting wheel, wrench & side handle

CORDED ANGLE GRINDERS



4-1/2 In. / 5 In. (115mm) / (125mm) Grinder w/ Trigger Grip



5 In. / 6 In. (125 mm / 150mm) Grinder w/ Trigger Grip



4-1/2 In - 5" (115mm /125mm) Grinder



6 In (150mm) Cut-Off/Grinder

Item No.	*DEW* **D28115**	*DEW* **D28065**	*DEW* **D28131**	*DEW* **D28144**
Amps	13 Amps AC/DC	13 Amps AC/DC	13 AC Amps	13 AC Amps
Max Watts Out / Max Horsepower	1,700 W / 2.3 HP	1,700 W / 2.3 HP	1,700 W / 2.3 HP	1,700 W / 2.3 HP
No Load Speed	9,000 rpm	9,000 rpm	11,000 rpm	9,000 rpm
Spindle Thread	5/8"11	5/8"11	5/8"11	5/8"11
Switch Type	Trigger	Trigger	Slide	Paddle w/ lock-on
Dust Ejection System™	Yes	Yes	Yes	Yes
Tool-Free Flange System	Yes	Yes	Yes	Yes
E-Clutch®/ Overload Protection	No	No	Yes	Yes
Tool Length	15.25"	15.25"	13"	13"
Tool Weight	4.75 lbs	4.75 lbs	4.6 lbs	4.6 lbs
Includes	2-Position side handle, 5" type 27 keyless adjustable guard & wrench	2-Position side handle, 5" type 27 keyless adjustable guard, 6" type 27 keyless adjustable guard & wrench	2-Position side handle, 5" type 27 keyless adjustable guard and wrench	2-Position side handle, 6" type 27 keyless adjustable guard, 6" type 1 keyless adjustable guard & wrench

CORDED ANGLE GRINDERS



7 In. (180mm) Medium Angle Grinder



7 in. (180mm) 8,500 rpm Angle Grinder

Item No.	*DEW* **DW840**	*DEW* **DWE4517**
Amps	13 AC/DC Amps	15 AC/DC Amps
Max Watts Out / Max Horsepower	2,250 W / 3.0 HP	3,000 W / 4 HP
No Load Speed	8,000 rpm	8,500 rpm
Lock-On Trigger	—	Yes
Lock-Off Trigger	—	Yes
Spindle Lock	Yes	—
Spindle Thread	5/8"-11	5/8"-11
Tool Length	16.1"	19.3"
Tool Weight	7.4 lbs	12.1 lbs
Includes	Grinding wheel, wrench, backing flange clamp nut, 5" type 27 keyless adjustable guard and 2-position side handle	7" type 27 keyless adjustable guard and side handle

CORDED DIE GRINDERS



2 In. (50mm) Die Grinder



1-1/2 In. (40mm) Die Grinder

Item No.	*DEW* **DWE4887**	*DEW* **DW888**
Amps	4.2 AC/DC Amps	5.0 AC/DC Amps
Max Watts Out	330 W	485 W
No Load Speed	25,000 rpm	19,000 rpm
Spindle Thread	1/4" collet	1/4" collet & 1/8" sleeve
Switch Type	Paddle w/ Lock-On	Trigger
Tool Length	14"	19.2"
Tool Weight	3.65 lbs	6.0 lbs
Includes	(2) Wrenches, 1/4" collet and 1/8" reducing sleeve	(2) Wrenches, 1/4" collet and 1/8" reducing sleeve

CORDED MULTI-TOOL



5 Amp Corded Oscillating Multi-Tool Kit

Item No.	*DEW* **PCE605K**
Volts	120V AC Only
Amps	2.5
OPM	10,000-20,000
Oscillating Angle	2.8 Degrees
Weight	3.2 lbs.
Includes	Wood blade, wood/metal blade, precision wood blade, 1/2" segment wood/drywall blade,sanding platen, (27) sand paper sheets, grout removal blade, flexible scraper, rigid scraper & kit box.

CORDED SHEARS



18 Gauge Swivel Head Shear



14 Gauge Swivel Head Shear

Item No.	*DEW* **DW890**	*DEW* **DW891**
Amps	5.0 AC/DC Amps	5.0 AC/DC Amps
Max Watts Out	470 W	470 W
Strokes/Min	0-2,500 spm	0-2,500 spm
Capacity (Mild Steel)	18 ga.	14 ga.
Capacity (Stainless Steel)	20 ga.	16 ga.
Replacement Blade – Left/Right	*DEW* **DW8999** / *DEW* **DW8900**	*DEW* **DW8999** / *DEW* **DW8900**
Replacement Blade – Center	*DEW* **DW8901**	*DEW* **DW8902**
Tool Length	9.1"	9.1"
Tool Weight	5.0 lbs	5.0 lbs
Includes	—	—

CORDED NIBBLER



16 Gauge Nibbler

Item No.	*DEW* **DW896**
Amps	3.0 AC/DC Amps
Max Watts Out	385 W
Strokes/Min	2,100 spm
Capacity (Mild Steel)	16 ga.
Capacity (Stainless Steel)	18 ga.
Starting Hole	1"
Tool Length	9.7"
Tool Weight	4.5 lbs

CORDED BAND SAW



Deep Cut Band Saw

Item No.	*DEW* **DWM120/K***
Amps	10 AC Amps
Ft./Min.	100 - 350 fpm
Max Capacity (Rectangular)	5" x 4¾"
Max Capacity (Round)	5"
Front Handle Style	Multi Position Bale
LED Light	Yes
AC/DC Capability	No
Rubber Bumpers	Yes w/ serviceable shroud
Tool Length	21"
Includes	Hex wrench and standard 44⅞" x ½" x. 020" blade

** (K) Includes kit box*

BENCH GRINDERS



8 In. (205mm) Bench Grinder



6 In. (152.4mm) Bench Grinder

Item No.	*DEW* **DW758**	*DEW* **DW756**
Amps	4.2 AC Amps	4.0 AC Amps
Max Horsepower	¾ HP	⅝ HP
No Load Speed	3,600 rpm	3,450 rpm
Wheel Diameter	8"	6"
Spindle Diameter	⅝"	½"
Adjustable Tool Resets	Yes	Yes
Tool Length	16"	15"
Tool Weight	39.5 lbs	28.5 lbs

CHOP SAWS



14 In. (355mm) Chop Saw w/ QUIK-CHANGE™ Keyless Blade Change System



14 In. (355mm) Chop Saw



14 In. (355mm) Chop Saw

Item No.	*DEW* **D28715**	*DEW* **D28710**	*DEW* **PCE700**
Amps	15 AC/DC Amps	15 AC/DC Amps	15 Amps
No Load Speed	4,000 rpm	3,800 rpm	3,800 rpm
Max Horsepower	5.5 Max HP	4.0 Max HP	4.0 Max HP
Quick Lock Vise	Yes	Yes	Yes
Wheel Arbor	1"	1"	1"
Wheel Diameter	14"	14"	14"
Max Capacity (Round)	5"	5"	5"
Max Capacity (Rectangular)	4½" x 6½"	4" x 7⅝"	4" x 7⅝"
Miter Capacity	45°	45°	45°
Blade Change	QUIK-CHANGE™	Wrench	Wrench
Includes	14" Abrasive wheel, fence wrench and tool free flange system	14" Abrasive wheel and wrench	14" cutting blade & wrench

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES RIGHT ANGLE DRILL DRIVE TOOL



- Built for maximum durability and long life with impact drivers
- Low profile right angle attachment for accessing tight spots
- Chuck accepts all standard 1/4" hex shank accessories including insert bits, and features magnetic collar for secure hold on fasteners
- Chuck accepts all standard 1/4" hex shank accessories including insert bits,
- Constructed with steel gears and ball bearing drive for smooth drilling and long life
- Molded handle for secure and comfortable grip
- All metal housing for durability
- Maximum of 3 RPMs and 15 In.-Lbs. of Torque

VG **1902386**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES POWER BIT MAGNETIC SCREW HOLD ATTACHMENT





- Designed exclusively for magnetizing IRWIN® Impact Performance Series™ single- and double-ended power bits
- Low profile collar attaches securely to hold fasteners, reducing slipping and wobbling
- Easy release design for removing collar when magnet is not desired
- Features rare earth magnet that is four times more powerful than standard magnets

VG **1903524**

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES SQUARE DRIVE TO HEX QUICK CHANGE ADAPTER



- Adapts standard 1/4" square drive chucks to 1/4" hex drive chuck that are compatible with impact drilling accessories
- Patented jaw design is compatible with all 1/4" hex shank accessories including insert bits
- Large chuck withstands higher torque demands of impact drivers
- Black oxide finish resists corrosion and increases life of extension

Item No.	Description
VG **1869513**	1/4" Square Drive to 1/4" Hex
VG **1869512**	3/8" Square Drive to 1/4" Hex
VG **1869511**	1/2" Square Drive to 1/4" Hex

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES 3 PC. 3/8 IN. DR. DEEP WELL SOCKET EXTENSION SET



- Made from heavy-duty chrome molybdenum steel for maximum durability and long life with impact drivers
- Black oxide finish resists corrosion and increases life
- Connects 3/8" square drive drills or accessories to 3/8" square drive sockets or accessories

Includes one each 3", 6", 12" extensions.

VG **1877497**

IRWIN



VG **1899886**

VG **1899889**

IRWIN® IMPACT PERFORMANCE SERIES SQUARE HEX TO SQUARE ADAPTERS

- Ball retention design for quick-change applications
- Forged socket body for additional strength
- Black oxide finish resists corrosion and increases life of bit
- 1/4" Quick-change shank is designed to work with impact drivers and reduces slipping in standard drill chucks
- 1 Per card

Item No.	Description
3" Length	
VG **1899886**	1/4" Hex to 1/4" Square
VG **1899887**	1/4" Hex to 3/8" Square
VG **1899888**	1/4" Hex to 1/2" Square
6" Length	
VG **1899889**	1/4" Hex to 1/4" Square
VG **1899890**	1/4" Hex to 3/8" Square
VG **1899891**	1/4" Hex to 1/2" Square

IRWIN



VG **1837530**



VG **1837532**

IRWIN® IMPACT PERFORMANCE SERIES LOBULAR NUTSETTERS

- Lobular design drives fastener on side instead of corner for less stripping and longer life
- Rare earth magnets, with four times the hold of standard magnets, holds fasteners securely
- Black oxide finish resists corrosion and increases life of bit
- 1/4" quick-change shank is designed to work with impact drivers, and reduces slipping in standard drill chucks

VG **1837530** 2" Length, 4 Piece Set
VG **1837532** 3" Length, 3 Piece Set



IRWIN® IMPACT PERFORMANCE SERIES 16 PC. DRIVE SET WITH DRAWER CASE

- Precision tip geometry delivers superior fitment, reducing stripping and cam-out
- Nutsetter Lobular design drives fastener on side instead of corner for less stripping and longer life

Includes: IRWIN® Drawer Case, a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets. Contains one each #2PH, #3PH, T15, T2, T27 3" power bits, #1PH, #2PH, T2, T25, T27, T3 6" power bits, 5/16" 2" nut setter, 1/4" hex to 1/4" square 3" adapter, 1/4" hex to 3/8" square 2" adapter, plus 2.5" and 6" Quick Change Extension / power bit holders.

VG **1840320**



IRWIN® IMPACT PERFORMANCE SERIES 34 PC. DRIVE SET WITH DRAWER CASE

- Precision tip geometry delivers superior fitment, reducing stripping and cam-out
- Power Groove designed for compatibility with IRWIN® Impact Performance Series™ Magnetic Screw-Hold Attachment
- Nutsetter Lobular design drives fastener on side instead of corner for less stripping and longer life

Includes IRWIN® Drawer Case, a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets. Contains two each: T27 6" power bits, one each #1PH, #2PH, #3PH, T1, T15, T2, T27, T3, T4 2" power bits, #1PH, #2PH, #3PH, 3" power bits, T15, T2, T25, T27, T3 3 1/2" power bits, #1PH, #2PH, #2PH, T15, T2, T25, T3 6" power bits, 1/4" hex to 1/4" square 3" adapter, 1/4" hex to 3/8" square and 1/4" hex to 1/2" square 2" adapters, 1/4", 5/16", 3/8" 2" nutsetters, , plus 2.5" and 6" Quick Change Extension / power bit holders.

VG **1840391**

IRWIN® IMPACT PERFORMANCE SERIES 3 PC. TORX® 2-3/8 IN. DOUBLE ENDED POWER BIT SET



- DoubleLokTechnology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of two tips from one bit for added convenience and extended life
- Precision tip geometry delivers superior fitment, reducing stripping and cam-out
- Power Groove designed for compatibility with IRWIN® Impact Performance Series™ Magnetic Screw-Hold Attachment
- Black oxide finish resists corrosion and increases life of bit
- Manufactured with heavy-duty, cold-forged, high-grade steel to withstand high torque output

Includes one each: T15 / T2, T2 / T25, T25 / T3 2 3/8" bits.

VG **1892093**

IRWIN® IMPACT PERFORMANCE SERIES 5 PC. TORX® 2-3/8 IN. DOUBLE ENDED POWER BIT SET WITH MAGNETIC SCREW HOLD ATTACHMENT



- DoubleLokTechnology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of two tips from one bit for added convenience and extended life
- Power Groove designed for compatibility with IRWIN® Impact Performance Series™ Magnetic Screw-Hold Attachment
- Manufactured with heavy-duty, cold-forged, high-grade steel to withstand high torque output
- Black oxide finish resists corrosion and increases life of bit

Includes one each: T15 / T2, T2 / T25, T25 / T3, T25 / T25 2 3/8" bits plus Magnetic Screw-Hold Attachment.

VG **1903522**

IRWIN® IMPACT PERFORMANCE SERIES 7 PC. 2-3/8 IN. ASSORTED DOUBLE ENDED POWER BIT SET WITH MAGNETIC SCREW HOLD ATTACHMENT



- DoubleLok Technology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of two tips from one bit for added convenience and extended life
- Precision tip geometry delivers superior fitment, reducing stripping and cam-out
- Power Groove designed for compatibility with IRWIN® Impact Performance Series™ Magnetic Screw-Hold Attachment
- Manufactured with heavy-duty, cold-forged, high-grade steel to withstand high torque output
- Black oxide finish resists corrosion and increases life of bit

Includes one each: #2P, #2PH, #2SQ, #2SQ, #2PH, #2SQ, T2, T25, T25, T25, 8-1SL, #2PH 2 3/8" bits plus Magnetic Screw-Hold Attachment.

VG **1903525**

IRWIN



VG **1892008**



VG **1892051**

IRWIN® IMPACT PERFORMANCE SERIES DOUBLE ENDED POWER BITS

- DoubleLokTechnology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of two tips from one bit for added convenience and extended life
- Precision tip geometry delivers superior fitment, reducing stripping and cam-out
- Power Groove designed for compatibility with IRWIN® Impact Performance Series™ Magnetic Screw-Hold Attachment
- Manufactured with heavy-duty, cold-forged, high-grade steel to withstand high torque output
- Black oxide finish resists corrosion and increases life of bit

Item No.	Description	Package Qty.
2 3/6" Length		
VG **1870990**	#2 Phillips	10
VG **1882422**	#1 Phillips / #2 Phillips	10
VG **1882423**	#2 Phillips / #3 Phillips	10
VG **1900323**	6-8 Slotted	10
VG **1900324**	8-10 Slotted	10
VG **1900328**	10-12 Slotted	10
VG **1871064**	#2 Square	10
VG **1882424**	#1 Square / #2 Square	10
VG **1882425**	#2 Square / #3 Square	10
VG **1892063**	T25 Torx® / #2 Phillips	10
VG **1892053**	T10 Torx® / T15 Torx®	10
VG **1892055**	T15 Torx® / T20 Torx®	10
VG **1892056**	T20 Torx®	10
VG **1892057**	T20 Torx® / T25 Torx®	10
VG **1892058**	T25 Torx®	10
VG **1892059**	T25 Torx® / T30 Torx®	10
VG **1892060**	T27 Torx®	10
VG **1892007**	T20 Torx®	2 / Carded
VG **1892008**	T20 Torx® / T25 Torx®	2 / Carded
VG **1892009**	T25 Torx®	2 / Carded
6" Length		
VG **1892051**	T25 Torx® / #2 Square	1 / Carded
VG **1892033**	T20 Torx®	1 / Carded
VG **1892034**	T20 Torx® / T25 Torx®	1 / Carded
VG **1892035**	T25 Torx®	1 / Carded

DEWALT

DEWALT
Competition

Double Tooth Design
Increases life for greater number of hole



DEW **D180024**

BI-METAL HOLE SAWS

Item No.	Size Inches	Size Metric	Max Speed
DEW **D180009**	9/16"	14mm	550
DEW **D180010**	5/8"	16mm	530
DEW **D180011**	11/16"	17mm	500
DEW **D180012**	3/4"	19mm	460
DEW **D180098**	—	20mm	425
DEW **D180013**	13/16"	21mm	425
DEW **D180014**	7/8"	22mm	390
DEW **D180015**	15/16"	24mm	370
DEW **D180016**	1"	25mm	350
DEW **D180017**	1 1/16"	27mm	325
DEW **D180018**	1 1/8"	29mm	300
DEW **D180019**	1 3/16"	30mm	285
DEW **D180020**	1 1/4"	32mm	275
DEW **D180021**	1 5/16"	33mm	260
DEW **D180022**	1 3/8"	35mm	250
DEW **D180023**	1 7/16"	37mm	240
DEW **D180024**	1 1/2"	38mm	230
DEW **D180025**	1 9/16"	40mm	220
DEW **D180026**	1 5/8"	41mm	210
DEW **D180027**	11 1/16"	43mm	205
DEW **D180028**	1 3/4"	44mm	195
DEW **D180029**	11 3/16"	46mm	190
DEW **D180030**	1 7/8"	48mm	180
DEW **D180032**	2"	51mm	170
DEW **D180033**	2 1/16"	52mm	165
DEW **D180034**	2 1/8"	54mm	160
DEW **D180036**	2 1/4"	57mm	150
DEW **D180038**	2 3/8"	60mm	140
DEW **D180040**	2/1/2"	64mm	135
DEW **D180041**	2 9/16"	65mm	130
DEW **D180042**	2 5/8"	67mm	130
DEW **D180043**	—	68mm	125
DEW **D180044**	2 3/4"	70mm	125
DEW **D180046**	2 7/8"	73mm	120
DEW **D180048**	3"	76mm	115
DEW **D180050**	3 1/8"	79mm	110
DEW **D180052**	3 1/4"	83mm	105
DEW **D180054**	3 3/8"	86mm	100
DEW **D180056**	3 1/2"	89mm	95
DEW **D180058**	3 5/8"	92mm	95
DEW **D180060**	3 3/4"	95mm	90
DEW **D180062**	3 7/8"	98mm	85
DEW **D180064**	4"	102mm	85
DEW **D180066**	4 1/8"	105mm	85
DEW **D180068**	4 1/4"	108mm	80
DEW **D180072**	4 1/2"	114mm	75
DEW **D180076**	4 3/4"	121mm	70
DEW **D180080**	5"	127mm	65
DEW **D180088**	5 1/2"	140mm	60
DEW **D180096**	6"	152mm	55



DEW **D180001**



DEW **D180004**

BI-METAL HOLE SAWS SETS

Item No.	Description	Includes
DEW **D180001**	9 Pc. Plumber's Hole Saw Set	3/4", 7/8", 1 1/8", 1 1/2", 1 3/4", 2 1/4", Small Quick Change Mandrel, Large Quick Change Mandrel, Replacement Parts
DEW **D180002**	9 Pc. Electrician's Hole Saw Set	7/8", 1 1/8", 1 3/8", 1 3/4", 2", 2 1/2", Small Quick Change Mandrel, Large Quick Change Mandrel, Replacement Parts
DEW **D180005**	13 Pc. Master Hole Saw Set	3/4", 7/8", 1", 1 1/8", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/8", 2 1/2", Small Quick Change Mandrel, Large Quick Change Mandrel, Replacement Parts



17 PC. GENERAL-PURPOSE HOLE SAW KIT

- Includes sizes: 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8", 1 1/2", 1 3/4", 2", 2 1/2", 3", 1/2" Hex, 1/2" Hex, Pilot Drill (3)
- Super hard steel RC 65-66 for increased life
- 4/6 TPI reduces vibration
- Variable gullet depths provide more efficient chip removal

VG **3073004**



BK **HSJM13**

BI-METAL HOLE SAWS & SETS

High-speed steel edge welded to alloy steel back for heavy-duty cutting. Variable teeth pattern 4/6 TPI for safe and efficient cutting. Cutting depth is 1 7/8". For use on sheet metal, nail embedded wood, hardwood, floors, plywood and plastics. For use in portable electric drills, pneumatic tools and drill presses. Hole saw has thick, heavy-duty backing plate. Electron beam welded. HSS teeth, Bi-Metal hole saw without mandrel. Fits Mibro pilot bit 697671. **Note: Does NOT Include Mandrel**

Part No.	Works With Hole Saw Dia.	Mibro Mandrel	*BK* HS8 8 Pc. Set	*BK* HSJM13 13 Pc. Set
BK **BMHS34**	3/4"	934841	•	•
BK **BMHS78**	7/8"	934841	•	•
BK **BMHS1**	1"	934841	•	•
BK **BMHS118**	1 1/8"	934841	•	•
BK **BMHS114**	1 1/4"	934841		
BK **BMHS138**	1 3/8"	935061		•
BK **BMHS112**	1 1/2"	935061	•	•
BK **BMHS158**	1 5/8"	935061		
BK **BMHS134**	1 3/4"	935061		•
BK **BMHS178**	1 7/8"	935061		
BK **BMHS2**	2"	935061		•
BK **BMHS218**	2 1/8"	935061		
BK **BMHS214**	2 1/4"	935061		•
BK **BMHS238**	2 3/8"	935061		
BK **BMHS212**	2 1/2"	935061		•
BK **BMHS234**	2 3/4"	935061		
BK **BMHS3**	3"	935061		
BK **BMHS314**	3 1/4"	935061		
BK **BMHS338**	3 3/8"	935061		
BK **BMHS312**	3 1/2"	935061		
BK **BMHS4**	4"	935061		
BK **BMHS418**	4 1/8"	935061		
BK **BMHS414**	4 1/4"	935061		
BK **BMHS412**	4 1/2"	935061		
BK **BMHS5**	5"	935061		
BK **BMHS6**	6"	935061		
BK **HSA114**	1/4" – 6" Arbor	—		
BK **HSA916**	9/16" – 1 3/16" Arbor	—	•	•
BK **HSAQ114**	1 1/4" – 6" Quick-Release Arbor	—	•	•
BK **OSPD1**	1/4" x 2 3/4" Pilot Drill Bit	—	•	•

DEW **DWA4166**



2X™ LONG LIFE WOOD CUTTING RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
5 Packs			
DEW **DWA4166**	6"	6	Taper
DEW **DWA4169**	9"	6	Taper
DEW **DWA41612**	12"	6	Taper
25 Packs			
DEW **DWA4166B25**	6"	6	Taper
DEW **DWA4169B25**	9"	6	Taper
DEW **DWA41612B25**	12"	6	Taper

DEW **DWA4188**



2X™ LONG LIFE METAL CUTTING RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
5 Packs			
DEW **DWA4186**	6"	14/18	Straight
DEW **DWA4188**	8"	14/18	Straight
DEW **DWA41812**	12"	14/18	Straight
25 Packs			
DEW **DWA4186B25**	6"	14/18	Straight
DEW **DWA4188B25**	8"	14/18	Straight
DEW **DWA41812B25**	12"	14/18	Straight

DEW **DWA4176**



2X™ LONG LIFE GENERAL PURPOSE RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
5 Packs			
DEW **DWA4174**	4"	10	Straight
DEW **DWA4176**	6"	10	Straight
DEW **DWA4179**	9"	10	Straight
DEW **DWA41712**	12"	10	Straight
25 Packs			
DEW **DWA4176B25**	6"	10	Straight
DEW **DWA4179B25**	9"	10	Straight
DEW **DWA41712B25**	12"	10	Straight



8 PC. 2X™ RECIPROCATING SAW BLADE SET WITH TELESCOPING CASE

Includes: (3) *DEW* **DWA4166**, (3) *DEW* **DWA4186**, *DEW* **DWA4179**, *DEW* **DWA4188**
DEW **DWA4101**

DEW **DW4803**



WOOD CUTTING RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
2 Packs			
DEW **DW4802-2**	6"	6	Taper
DEW **DW4804-2**	12"	6	Taper
DEW **DW4847-2**	6"	5/8	Taper
5 Packs			
DEW **DW4801**	6"	3	Taper
DEW **DW4802**	6"	6	Taper
DEW **DW4803**	9"	6	Taper
DEW **DW4804**	12"	6	Taper
DEW **DW4847**	6"	5/8	Taper
DEW **DW4848**	9"	5/8	Taper
DEW **DW4849**	12"	5/8	Taper
DEW **DW4850**	6"	6	Straight

DEW **DW4809**



METAL CUTTING RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
2 Packs			
DEW **DW4808-2**	6"	14	Straight
DEW **DW4810-2**	4"	18	Straight
DEW **DW4811-2**	6"	18	Straight
DEW **DW4813-2**	6"	24	Straight
5 Packs			
DEW **DW4807**	4"	14	Straight
DEW **DW4808**	6"	14	Straight
DEW **DW4809**	8"	14	Straight
DEW **DW4838**	12"	14	Straight
DEW **DW4810**	4"	18	Straight
DEW **DW4811**	6"	18	Straight
DEW **DW4821**	8"	18	Straight
DEW **DW4812**	4"	24	Straight
DEW **DW4813**	6"	24	Straight
DEW **DW4846**	9"	10/14	Straight



DEW **DW4876**



DEW **DW4844**

SPECIALTY RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
Scroll Cutting Blades			
DEW **DW4814**	3½"	14	General Purpose
DEW **DW4815**	3½"	18	Metal
DEW **DW4816**	6"	6	Wood
Drywall Cutting Blades			
DEW **DW4851**	6"	6	Taper
Carbide Grit Edge Blades			
DEW **DW4844**	6"	Coarse	Straight
DEW **DW4843**	8"	Coarse	Straight
Cordless Bi-Metal Blades			
DEW **DW4876**	6"	5/8	Taper
DEW **DW4878**	6"	18	Straight



DEW **DW4845**

GENERAL PURPOSE RECIPROCATING SAW BLADES

Item No.	Blade Length	TPI	Blade Type
2 Packs			
DEW **DW4806-2**	6"	10	Straight
DEW **DW4845-2**	6"	10/14	Straight
5 Packs			
DEW **DW4845**	6"	10/14	Straight
DEW **DW4846**	8"	10/14	Straight



DEW **DW4856**



DEW **DW4892**

RECIPROCATING SAW BLADES SETS

Item No.	Description	Includes
DEW **DW4853**	3 Pc. Bi-Metal Saw Blade Set	*DEW* **DW4802**, *DEW* **DW4806**, *DEW* **DW4811**
DEW **DW4875**	3 Pc. Cordless Bi-Metal Saw Blade Set	*DEW* **DW4876**, *DEW* **DW487**, *DEW* **DW4878**
DEW **DW4856**	6 Pc. Bi-Metal Saw Blade Set	*DEW* **DW4802**, *DEW* **DW4847**, *DEW* **DW4806**, *DEW* **DW4808**, *DEW* **DW4811**, *DEW* **DW4813**
DEW **DW4892**	12 Pc. Bi-Metal Saw Blade Set with Telescoping Case	(3) *DEW* **DW4802**, (2) *DEW* **DW4811**, (2) *DEW* **DW4809**, (2) *DEW* **DW4803**, *DEW* **DW4865**
DEW **DW4890**	15 Pc. Bi-Metal Saw Blade Set with Medium TOUGH CASE®	(5) *DEW* **DW4802**, (5) *DEW* **DW4808**, (5) *DEW* **DW4811**

10 PC. GENERAL-PURPOSE JIG SAW BLADE SET

High quality saw blades designed for wood, metal and special-applications. A flexible break resistant combination of HSS teeth electronically welded to flexible spring steel backs. Contains 10 general-purpose jig saw blades.

BK **JSBS10**



Contents

Qty.	Item No.
2	*BK* **JSB3126**
2	*BK* **JSB3128**
2	*BK* **JSB31210**
2	*BK* **JSB23414**
1	*BK* **JSB23418**
1	*BK* **JSB23424**



BK **JSB23414**



BK **JSB3126**



BK **RSB414**



BK **RSB66**

METAL- AND WOOD-CUTTING SAW BLADES

High quality saw blades designed for wood, metal and special applications. A flexible break resistant combination of HSS teeth electronically welded to flexible spring steel backs.

Item No.	Description	Qty.
Metal-Cutting Jig Saw Blades		
BK **JSB23414**	2 ¾ in. x 14 Teeth Per Inch Fast Cut Blade	1
BK **JSB23418**	2 ¾ in. x 18 Teeth Per Inch Medium Cut Blade	1
BK **JSB23424**	2 ¾ in. x 24 Teeth Per Inch Clean Cut Blade	1
Wood-Cutting Jig Saw Blades		
BK **JSB3126**	3½ in. x 6 Teeth Per Inch Fast Cut Blade	1
BK **JSB3128**	3½ in. x 8 Teeth Per Inch Medium Cut Blade	1
BK **JSB31210**	3½ in. x 10 Teeth Per Inch Clean Cut Blade	1
Metal-Cutting Reciprocating Saw Blades		
BK **RSB414**	4 in. x 14 Teeth Per Inch	1
BK **RSB418**	4 in. x 18 Teeth Per Inch	1
BK **RSB424**	4 in. x 24 Teeth Per Inch	1
BK **RSB610**	6 in. x 10 Teeth Per Inch	1
BK **RSB614**	6 in. x 14 Teeth Per Inch	1
BK **RSBS614**	6 in. x 14 Teeth Per Inch	5
BK **RSB618**	6 in. x 18 Teeth Per Inch	1
BK **RSBS618**	6 in. x 18 Teeth Per Inch	5
BK **RSB624**	6 in. x 24 Teeth Per Inch	1
BK **RSB914**	9 in. x 14 Teeth Per Inch	1
Wood-Cutting Reciprocating Saw Blades		
BK **RSB66**	6 in. x 6 Teeth Per Inch	1
BK **RSB810**	8 in. x 10 Teeth Per Inch	1
BK **RSBS810**	8 in. x 10 Teeth Per Inch	5
BK **RSB96**	9 in. x 6 Teeth Per Inch	1
BK **RSBS96**	9 in. x 6 Teeth Per Inch	5
BK **RSB126**	12 in. x 6 Teeth Per Inch	1
BK **RSBS126**	12 in. x 6 Teeth Per Inch	5

AUGER BITS

- Designed for fast drilling in soft woods
- Center screw point at the tip starts the hole and helps pull the bit through the material for fast boring
- Sharp cutting lip and a wide spiral flute designed to give ample clearance for chip flow
- Precision ground from special-alloy tool steel and heat-treated along the entire length for added strength
- Carbon steel

Item No.	Size	Flute Length
BK **AUGB5326**	5/16" x 6"	4"
BK **AUGB5406**	3/8" x 6"	4"
BK **AUGB5566**	1/2" x 6"	4"
BK **AUGB5586**	5/8" x 6"	4"
BK **AUGB5606**	3/4" x 6"	4"
BK **AUGB5626**	7/8" x 6"	4"
BK **AUGB564**	1" x 6"	4"
BK **SAB54018**	3/8" x 18"	13 3/4"
BK **SAB55618**	1/2" x 18"	13 3/4"
BK **SAB55818**	5/8" x 18"	13 3/4"
BK **SAB56018**	3/4" x 18"	13 3/4"
BK **SAB56218**	7/8" x 18"	13 3/4"
BK **SAB56418**	1" x 18"	13 3/4"
BK **SAB56518**	1 1/8" x 18"	13 3/4"
BK **SAB56618**	1 1/4" x 18"	13 3/4"



SPADE BITS

- Commonly used by the do-it-yourselfer for drilling fast holes in all types of wood and wood composites
- Hardened tip prevented twisting
- Drills holes faster and cleaner than conventional spade bits
- Uses less energy, allowing cordless drills to cut more holes per charge
- Carbon steel
- Overall length is 6 inches



Item No.	Description
BK **SPB5246**	1/4" x 6"
BK **SPB5326**	5/16" x 6"
BK **SPB5406**	3/8" x 6"
BK **SPB5486**	7/16" x 6"
BK **SPB5566**	1/2" x 6"
BK **SPB5576**	9/16" x 6"
BK **SPB5586**	5/8" x 6"
BK **SPB5596**	11/16" x 6"
BK **SPB5606**	3/4" x 6"
BK **SPB5616**	13/16" x 6"
BK **SPB5626**	7/8" x 6"
BK **SPB5636**	15/16" x 6"
BK **SPB5646**	1" x 6"
BK **SPB5656**	1 1/8" x 6"
BK **SPB5666**	1 1/4" x 6"
BK **SPB5676**	1 3/8" x 6"
BK **SPB5686**	1 1/2" x 6"
BK **SPB5696**	6" Length Spade Bit Extension
BK **SPB57012**	12" Length Spade Bit Extension
BK **SPB5401**	6 Pc. Set. Includes *BK* **SPB5406** 3/8", *BK* **SPB5566** 1/2", *BK* **SPB5586** 5/8", *BK* **SPB5606** 3/4", *BK* **SPB5626** 7/8" and *BK* **SPB5646** 1" Spade Bits

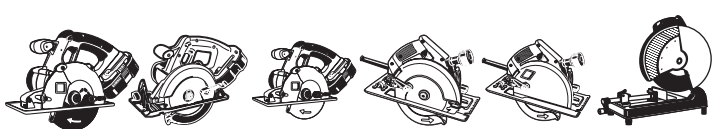


METAL CUTTING BLADES

- Laser cut blade
- Laser cut anti-vibration vents
- Metal cutting grade carbide teeth
- Anti-Kickback tooth shoulder

Item No.	Description
VG **4935555**	7 Inch blade. 48T
VG **4935560**	7 Inch blade. 68T
VG **4935561**	10 Inch blade. 80T
VG **4935558**	12 Inch blade. 60T
VG **4935559**	14 Inch blade. 80T



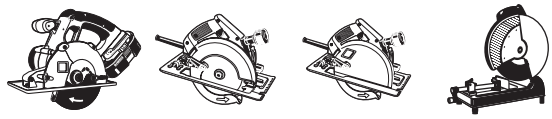


STEEL CUTTING BLADES

Item No.	Description	Dia.	Teeth	Arbor	Hook Angle	Kerf	Plate Thickness	Tooth Grind	Max Rpm
DEW **DWA7770**	5 1/2" 30T Ferrous Metal Cutting	5 1/2"	30	20mm	1.5°	.059"	.044"	TCG	4,200
DEW **DWA7766**	7 1/4" 48T Ferrous Metal Cutting	7 1/4"	48	5/8"	1.5°	.077"	.063"	TCG	4,000
DEW **DWA7759**	10" 52T Ferrous Metal Cutting	10"	52	5/8"	1.5°	.091"	.077"	TCG	1,800
DEW **DWA7737**	Heavy Gauge Ferrous Metal Cutting	12"	60	1"	1.5°	.091"	.077"	TCG	1,800
DEW **DWA7740**	Light Gauge Ferrous Metal Cutting	12"	80	1"	1.5°	.091"	.077"	TCG	1,800
DEW **DWA7747**	Heavy Gauge Ferrous Metal Cutting	14"	66	1"	1.5°	.091"	.077"	TCG	1,800
DEW **DWA7745**	Light Gauge Ferrous Metal Cutting	14"	90	1"	1.5°	.091"	.077"	TCG	1,800



DEW **DWA7747**



STAINLESS STEEL CUTTING BLADES

Item No.	Description	Dia.	Teeth	Arbor	Hook Angle	Kerf	Plate Thickness	Tooth Grind	Max Rpm
DEW **DWA7771**	5½" 40T Stainless Steel Metal Cutting	5½"	40	20mm	10°	.060"	.044"	MTCG	4,200
DEW **DWA7748**	7¼" 48T Stainless Steel Metal Cutting	7¼"	48	5/8"	10°	.079"	.063"	MTCG	4,000
DEW **DWA7739**	12" 80T Stainless Steel Metal Cutting	12"	80	1"	10°	.085"	.069"	MTCG	1,800
DEW **DWA7749**	14" 90T Stainless Steel Metal Cutting	14"	90	1"	10°	.085"	.069"	MTCG	1,800



DEW **DWA7968**



ALUMINUM CUTTING BLADES

Item No.	Description	Dia.	Teeth	Arbor	Hook Angle	Kerf	Plate Thickness	Tooth Grind	Max Rpm
DEW **DWA7760**	5½" 30T Aluminum Metal Cutting	5½"	30	5/8"	3°	.059"	.039"	FLAT TOP	7,000
DEW **DWA7761**	7¼" 48T Aluminum Metal Cutting	7¼"	48	5/8"	-5°	.083"	.063"	TCG	4,000
DEW **DWA7758**	7¼" 60T Aluminum Metal Cutting	7¼"	60	5/8"	-5°	.083"	.063"	TCG	4,000
DEW **DW7665**	10" 80T Aluminum Thin Plate Metal Cutting	10"	80	5/8"	-5°	.110"	.069"	TCG	6,000
DEW **DW7666**	12" 80T Aluminum Thin Plate Metal Cutting	12"	80	1"	-5°	.110"	.077"	TCG	4,800
DEW **DWA7889**	14" 100T Aluminum Metal Cutting	14"	100	1"	-5°	.126"	.098"	TCG	4,800



DEW **DW71280T5**



CONTINUOUS RIM TURBO DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Dry/Wet Cut Concrete/Masonry. Packaging includes sensor-matic and checkpoint loss prevention tags.

Item No.	Size
BK **DSBT4**	4"
BK **DSBT45**	4½"
BK **DSBT7**	7"
BK **DSBT10**	10"



SEGMENTED RIM DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Dry Cut Concrete/Masonry. Packaging includes sensor-matic and check-point loss prevention tags.

Item No.	Size
BK **DSBS4**	4"
BK **DSBS45**	4½"
BK **DSBS7**	7"
BK **DSBS10**	10"



CONTINUOUS RIM DIAMOND SAW BLADES

Cutting edge sintered on to the blade body for safety and performance. 2% Cobalt in the matrix gives superior performance. Synthetic diamonds are carefully selected for hardness giving consistent blade performance. Wet cut Concrete/Masonry. Packaging includes sensor-matic and check-point loss prevention tags.

Item No.	Size
BK **DSB4**	4"
BK **DSB45**	4 1/2"
BK **DSB7**	7"
BK **DSB10**	10"





METAL CHOP SAW WHEELS

Item No.	Dia.	Thickness	Arbor	Grit	Application	Max Rpm	Pack Qty.
DEW **DW8001**	14"	7/64"	1"	A24R	General Purpose Metal Cutting	4,300	10
DEW **DW8002**	14"	7/64"	1"	A24S	Fabrication Cutting	4,300	10
DEW **DW8003**	14"	7/64"	1"	A24T	Stud Cutting	5,000	10

MANDRELS

Item No.	Type	Shank Size	Chuck Size	Hole Saw Size
DEW **DW1800**	Standard	1/4"	1/4"	9/16" to 1 3/16"
DEW **DW1801**	Standard	3/8"	3/8"	9/16" to 1 3/16"
DEW **DW1810**	Quick Change	3/8"	3/8"	9/16" to 1 3/16"
DEW **DW1818**	Standard	3/8"	3/8"	1 1/4" to 3"
DEW **DW1805**	Quick Change	3/8"	3/8"	1 1/4" to 3"
DEW **DW1802**	Standard	7/16"	1/2"	1 1/4" to 6"
DEW **DW1803**	Quick Change	7/16"	1/2"	1 1/4" to 6"
DEW **DW1807**	Short Replacement Pilot Bit - 3"			
DEW **DW1808**	Long Replacement Pilot Bit - 4"			



DEW **DW1810**



DEW **DW1803**

TOOL STORAGE

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CENTRALIZED TOOL STORAGE SYSTEMS

Follow these 9 steps to get yours started!

STEP 1: PICK A COLOR Simply place one of these abbreviations in front of the model number.

STEP 2: CHOOSE YOUR BASE

We currently offer four unique configurations in both 46" and 60" widths. Choose the setup(s) that best suits the individual needs of your shop.

1 DRAWER BASE UNITS WITH 2 DOORS

HMC high-security tubular locking system and large, stainless steel workspace.
1.5mm metal thickness on body, frame and drawers!
Unit shown with optional stainless steel work surface. Black polycarbonate surface standard.

Choose Your Color	Width	Depth	Height	Weight	Weight Capacities	
					Shelves	1 Drawer
__04014602	46"	24"	44"	264 lbs.	120	440 lbs.
__04016002	60"	24"	44"	313 lbs.	120	440 lbs.

5 DRAWER BASE UNITS WITH COMPARTMENT

Full-length aluminum drawer pulls and ball-bearing drawer slides.
1.5mm metal thickness on body, frame and drawers!
Unit shown with optional stainless steel work surface. Black polycarbonate surface standard.

Choose Your Color	Width	Depth	Height	Weight	Drawer Weight Capacities	
					1 Drawer	4 Drawer
__04014611	46"	24"	44"	301 lbs.	440 lbs.	220 lbs.
__04016011	60"	24"	44"	398 lbs.	440 lbs.	220 lbs.

11 OFFSET-DRAWER BASE UNITS

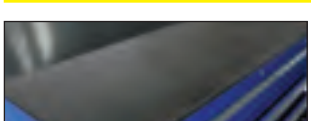
HMC high-security tubular locking system and large, stainless steel workspace.
1.5mm metal thickness on body, frame and drawers!
Unit shown with optional stainless steel work surface. Black polycarbonate surface standard.

Choose Your Color	Width	Depth	Height	Weight	Drawer Weight Capacities		
					1 Dr.	9 Dr.	1 Dr.
__04014610	46"	24"	44"	334 lbs.	440 lbs.	120 lbs.	240 lbs.
__04016010	60"	24"	44"	431 lbs.	440 lbs.	120 lbs.	240 lbs.

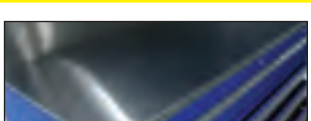
11 SPLIT-DRAWER BASE UNITS

Full-length aluminum drawer pulls and ball-bearing drawer slides.
1.5mm metal thickness on body, frame and drawers!
Unit shown with optional stainless steel work surface. Black polycarbonate surface standard.

Choose Your Color	Width	Depth	Height	Weight	Drawer Weight Capacities	
					1 Drawer	10 Drawer
__04014620	46"	24"	44"	337 lbs.	440 lbs.	120 lbs.
__04016020	60"	24"	44"	406 lbs.	440 lbs.	120 lbs.



(Standard)
Black Polycarbonate

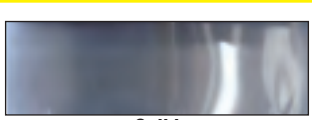


(Optional)
Stainless Steel

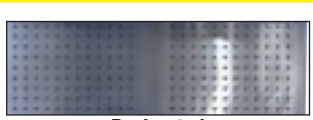
STEP 3: SELECT A SURFACE

Black poly-carbonate replaceable work surface is the standard, or upgrade to the quality & looks of a brushed stainless steel surface.

Item No	Description
TSS **BR05024625**	46" Black Polycarbonate (Standard)
TSS **SS05024625**	46" Stainless Steel (Optional)
TSS **BR05026025**	60" Black Polycarbonate (Standard)
TSS **SS05026025**	60" Stainless Steel (Optional)



Solid



Perforated

STEP 4: WATCH THE SPLASH

Stainless steel plated backsplashes offer both looks and durability. Choose between a solid or pegboard design to suit your needs. Stainless steel backsplashes are easy to clean and durable. Cutouts for running electrical cords and connect canopy to base unit. 1.5mm thickness!

Item No.	Style	Width	Depth	Height	Weight
TSS **SS03114640**	Solid	46"	1½"	21½"	11 lbs.
TSS **SS03116040**	Solid	60"	1½"	21½"	15 lbs.
TSS **SS03114641**	Perforated	46"	1½"	21½"	10 lbs.
TSS **SS03116041**	Perforated	60"	1½"	21½"	14 lbs.

CENTRALIZED TOOL STORAGE SYSTEMS
Follow these 9 steps to get yours started!

STEP 5: PICK A CANOPY



Open Overhead Canopy
TSS **BL02026011**



Full Overhead Canopy
TSS **BL02026001**

OVERHEAD CANOPIES
Lockable overhead storage is a must-have in any shop! Install a monitor in the open compartment model or choose a full-door design. Canopies can be conveniently mounted to a wall. Full-extension gas struts in hood, cutouts for monitor installation, open & full canopy models available, 1.5mm thickness!

Choose Your Color	Canopy Style	Width	Depth	Height	Weight
__02024611	Open	46"	16"	18"	64 lbs.
__02026011	Open	60"	16"	18"	82 lbs.
__02024601	Full	46"	16"	18"	69 lbs.
__02026001	Full	60"	16"	18"	89 lbs.

STEP 6: I GOT YOUR BACK

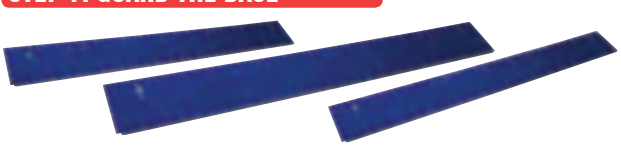


TSS **BL03417530**

CANOPY SUPPORT BEAMS
Every canopy needs support. If wall-mounted is not an option, a support beam kit can safely anchor an overhead canopy and backsplash to the base unit in three easy steps.

Choose Your Color	Piece Count	Width	Depth	Height	Weight
__03417530	3 Pc. Set	6 1/8"	1 1/2"	75"	15 lbs.

STEP 7: GUARD THE BASE



BASE GUARDS
These are manly skirts, Not only do base guards give your setup a finished look; they also keep objects from rolling underneath base units.

Choose Your Color	Guard Type	Width	Depth	Height	Weight
__03014630	Front	45 1/4"	3/8"	3"	4 lbs.
__03016030	Front	60"	3/8"	3"	6 lbs.
__03212430	Side	24 3/8"	3/8"	3"	1.5 lbs.

STEP 8: LINK 'EM UP



COUNTERTOP SEAMS
Finish off your multi-base configuration with stainless steel countertop seams that keep small parts from falling between units. Used to anchor multiple base units together, creates a seamless & uniform countertop, and is stainless steel plated for durability.

Item No.	Width	Depth	Height	Weight
TSS **SS03524130**	1/2"	24"	1 1/8"	1 lbs.

STEP 9: ADD SOME COMPANY



Service cart sold separately

46 IN. SERVICE CART SIDE LOCKER ATTACHMENT
- Optional stainless steel plated work surface (*TSS* **SS05024625**).
- Stores and protects service carts
- Full-extension gas struts
- Metal thickness: 1.5mm

Choose Your Color	Width	Depth	Height	Weight
__06014002	46"	24 1/2"	44"	88 lbs.



You pick the color when you see "Choose Your Color"! It is easy, simply place the color abbreviation in front of part number when ordering.

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TSS **YW02046103**



TSS **RD07046211**

46 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Small drawer capacity is 120 lbs.
- Large drawer capacity is 440 lbs.
- Aluminum edge protectors add style
- Heavy-duty, non-slip drawer liner included
- Full-width Aluminum drawer pulls with black plastic end caps
- Rubberized full-length aluminum push handle
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.

8-Drawer Top Chest

Dimensions:.....46" W x 24" D x 20½" H
Shipping Weight:.....230 Lbs.
Cu. In. Capacity:.....13,835"
Drawer Sizes
Top Till:.....46" x 23" x 4⅜"
Left Bank:.....(2) 12⅞" x 22⅜" x 2", (2) 12⅞" x 22⅜" x 4"
Right Bank:.....(2) 24⅞" x 22⅜" x 2", (2) 24⅞" x 22⅜" x 4"

11-Drawer Cabinet

Dimensions:.....46" W x 24" D x 42⅝" H
Shipping Weight:.....450 Lbs.
Cu. In. Capacity:.....22,072"
Drawer Sizes
Top:.....(1) 40⅜" W x 22⅜" D x 5" H
Left Bank:...(2) 12⅞" W x 22⅜" D x 2" H, (1) 12⅞" W x 22⅜" D x 4" H, (1) 12⅞" W x 22⅜" D x 6" H, (1) 12⅞" W x 22⅜" D x 8" H
Right Bank:..(2) 24⅞" W x 22⅜" D x 2" H, (1) 24⅞" W x 22⅜" D x 4" H, (1) 24⅞" W x 22⅜" D x 6" H, 24⅞" W x 22⅜" D x 8" H

Canopy

Dimensions:.....46" W x 24" D x 22¾" H
Shipping Weight:.....130 Lbs.
Cu. In. Capacity:.....18,000"

Item No.	Color
8-Drawer Chest/ 11-Drawer Cabinet Combo	
TSS **RD07046211**	Red
TSS **BL07046211**	Blue
TSS **BK07046211**	Black
TSS **BU07046211**	Burgundy
TSS **YW07046211**	Yellow
8-Drawer Chest	
TSS **RD02046001**	Red
TSS **BL02046001**	Blue
TSS **BK02046001**	Black
TSS **BU02046001**	Burgundy
TSS **YW02046001**	Yellow

Item No.	Color
11-Drawer Cabinet	
TSS **RD04046114**	Red
TSS **BL04046114**	Blue
TSS **BK04046114**	Black
TSS **BU04046114**	Burgundy
TSS **YW04046114**	Yellow
Canopy	
TSS **BK02046103**	Black
TSS **BL02046103**	Blue
TSS **BU02046103**	Burgundy
TSS **RD02046103**	Red
TSS **YW02046103**	Yellow



TSS **RD07042195** *TSS* **BL07042195** *TSS* **BK07042195**

42 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Drawer capacity is 120 lbs.
- Aluminum edge protectors add style
- Heavy-duty, non-slip drawer liners and full-width Aluminum drawer pulls
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.

7-Drawer Top Chest

Dimensions:.....41¼" W x 20" D x 21½" H
Shipping Weight:.....155 Lbs.
Cu. In. Capacity:.....11,617"
Drawer Sizes
Top Till:.....41¼" x 19¾" x 4¾"
Left Bank:.....(2) 25¼" x 18½" x 2", (1) 25¼" x 18½" x 4"
Right Bank:.....(2) 9¾" x 18½" x 2", (1) 9¾" x 18½" x 4"
Bottom:.....(1) 37¼" x 18½" x 5"

12-Drawer Cabinet

Dimensions:.....41¼" W x 20" D x 42" H
Shipping Weight:.....280 Lbs.
Cu. In. Capacity:.....16,686"
Drawer Sizes
Top:.....(1) 37¼" W x 18½" D x 5" H
Left Bank:.....(2) 25" W x 18½" D x 2" H, (3) 25" W x 18½" D x 4" H, (1) 25" W x 18½" D x 6" H
Right Bank:.....(2) 9¾" W x 18½" D x 2" H, (2) 9¾" W x 18½" D x 4" H, (2) 9¾" W x 18½" D x 10" H

Item No.	Color
7-Drawer Chest/12-Drawer Cabinet Combo	
TSS **RD07042195**	Red
TSS **BL07042195**	Blue
TSS **BK07042195**	Black
TSS **BU07042195**	Burgundy
TSS **YW07042195**	Yellow
7-Drawer Top Chest	
TSS **RD02042075**	Red
TSS **BL02042075**	Blue
TSS **BK02042075**	Black
TSS **BU02042075**	Burgundy
TSS **YW02042075**	Yellow

Item No.	Color
12-Drawer Cabinet	
TSS **RD04042125**	Red
TSS **BL04042125**	Blue
TSS **BK04042125**	Black
TSS **BU04042125**	Burgundy
TSS **YW04042125**	Yellow

ACCESSORIZE
See Page 314 for Available Accessories!



TSS **BL07034115**







TSS **YW07027115**

34 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Extra large, full-width drawer pulls
- Heavy-duty, non-slip drawer liner in every drawer
- Full width Aluminum drawer pulls with black plastic end caps
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.

5-Drawer Top Chest

Dimensions:.....34" W x 20" D x 18 3/8" H
Shipping Weight:.....156 Lbs.
Cu. In. Capacity:.....8,225"
Drawer Sizes:.....(4) 30" x 18 1/2" x 2", (1) 30" x 18 1/2" x 4"
Top Till:.....33 3/4" x 19 1/2" x 3 5/8"

6-Drawer Cabinet

Dimensions:.....34" W x 20" D x 40 1/8" H
Shipping Weight:.....231 Lbs.
Cu. In. Capacity:.....14,517 lbs.
Drawer Sizes:.....(4) 30" x 18 1/2" x 4", (1) 30" x 18 1/2" x 2", (1) 30" x 18 1/2" x 10"

Item No.	Color
5-Drawer Chest/6-Drawer Cabinet Combo	
TSS **RD07034115**	Red
TSS **BL07034115**	Blue
TSS **BK07034115**	Black
TSS **BU07034115**	Burgundy
TSS **YW07034115**	Yellow
5-Drawer Chest	
TSS **RD02034055**	Red
TSS **BL02034055**	Blue
TSS **BK02034055**	Black
TSS **BU02034055**	Burgundy
TSS **YW02034055**	Yellow
6-Drawer Cabinet	
TSS **RD04034065**	Red
TSS **BL04034065**	Blue
TSS **BK04034065**	Black
TSS **BU04034065**	Burgundy
TSS **YW04034065**	Yellow

27 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Extra large, full-width drawer pulls
- Heavy-duty, non-slip drawer liner in every drawer
- Full width Aluminum drawer pulls with black plastic end caps
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.

5-Drawer Top Chest

Dimensions:.....27" W x 18" D x 18 3/8" H
Shipping Weight:.....110 Lbs.
Cu. In. Capacity:.....5,842"
Drawer Sizes:.....(4) 23" x 16 x 2", (1) 23" x 16" x 4"
Top Till:.....26 3/4" x 17" x 3 5/8"

6-Drawer Cabinet

Dimensions:.....27" W x 18" D x 41 1/8" H
Shipping Weight:.....175 Lbs.
Cu. In. Capacity:.....9,426"
Drawer Sizes:.....(4) 23" x 16" x 4", (1) 23" x 16" x 2", (1) 23" x 16" x 10"

Item No.	Color
5-Drawer Chest/6-Drawer Cabinet Combo	
TSS **RD07027115**	Red
TSS **BL07027115**	Blue
TSS **BK07027115**	Black
TSS **BU07027115**	Burgundy
TSS **YW07027115**	Yellow
5-Drawer Chest	
TSS **RD02027055**	Red
TSS **BL02027055**	Blue
TSS **BK02027055**	Black
TSS **BU02027055**	Burgundy
TSS **YW02027055**	Yellow
6-Drawer Cabinet	
TSS **RD04027065**	Red
TSS **BL04027065**	Blue
TSS **BK04027065**	Black
TSS **BU04027065**	Burgundy
TSS **YW04027065**	Yellow



TSS **YW07053205**



53 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Heavy-duty, non-slip drawer liners and full width aluminum drawer pulls
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.

8-Drawer Top Chest

Dimensions:.....53" W x 18" D x 18½" H
Shipping Weight:.....185 Lbs.
Cu. In. Capacity:.....12,060"
Drawer Sizes
Top Till:.....53¼" x 17⅞" x 2½"
Left Bank:.....(4) 23" x 16½" x 2", (4) 23" x 16½ x 4"

12-Drawer Cabinet

Dimensions:.....53" W x 18" D x 41¾" H
Shipping Weight:.....365 Lbs.
Cu. In. Capacity:.....19,992"
Drawer Sizes
Top:.....(1) 49" W x 16½" D x 3⅝" H
Left Bank:.....(2) 23" W x 16½" D x 2" H, (3) 23" W x 16½" D x 4" H, ...(1) 23" W x 16½" D x 6" H,
Right Bank:.....(2) 23" W x 16½" D x 2" H, (2) 23" W x 16½" D x 4" H, ...(2) 23" W x 16½" D x 10" H,

Canopy

Dimensions:.....53" W x 18" D x 20" H
Shipping Weight:.....85 Lbs.
Cu. In. Capacity:.....17,780"

Item No.	Color
8-Drawer Chest/ 12-Drawer Cabinet Combo	
TSS **RD07053205**	Red
TSS **BL07053205**	Blue
TSS **BK07053205**	Black
TSS **BU07053205**	Burgundy
TSS **YW07053205**	Yellow
8-Drawer Top Chest	
TSS **RD02053085**	Red
TSS **BL02053085**	Blue
TSS **BK02053085**	Black
TSS **BU02053085**	Burgundy
TSS **YW02053085**	Yellow

Item No.	Color
12-Drawer Cart	
TSS **RD04053125**	Red
TSS **BL04053125**	Blue
TSS **BK04053125**	Black
TSS **BU04053125**	Burgundy
TSS **YW04053125**	Yellow
Canopy	
TSS **BK02053103**	Black
TSS **BL02053103**	Blue
TSS **BU02053103**	Burgundy
TSS **RD02053103**	Red
TSS **YW02053103**	Yellow

ACCESSORIZE
See Page 314 for Available Accessories!



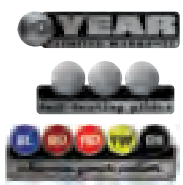


TSS **BK04060123**

TSS **RD07060135**

60 IN. BIG DAWG™ PROFESSIONAL SERIES COMBOS

- Ball-bearing slides on that move easily under heavy drawer loads
- Small drawer capacity is 120 lbs.
- Large drawer capacity is 440 lbs.
- Heavy-duty, non-slip drawer liner included
- Full width Aluminum drawer pulls with black plastic end caps
- Rubberized full-length aluminum push handle
- Large 6" x 2" roller bearing heavy-duty casters (capacity per caster 900 lbs.)
- Metal thickness body - 16 ga. drawers 18 ga.



8-Drawer Top Chest

Dimensions:.....60" W x 24" D x 20½" H
Shipping Weight:.....355 Lbs.
Cu. In. Capacity:.....18,853"
Drawer Sizes
Top Till:.....60" x 23" x 4⅜"
Left Bank:.....(4) 12⅞" x 22⅜" x 2", (1) 12⅞" x 22⅜" x 4"
Right Bank:.....(3) 38⅞" x 22⅜" x 4"

11-Drawer Cabinet

Dimensions:.....60" W x 24" D x 44½" H
Shipping Weight:.....485 Lbs.
Cu. In. Capacity:.....30,094"
Drawer Sizes
Top:.....(1) 54⅜" W x 22⅜" D x 5" H
Left Bank:...(2) 12⅞" W x 22⅜" D x 2" H, (3) 12⅞" W x 22⅜" D x 4" H, (1) 12⅞" W x 22⅜" D x 6" H
Right Bank:.....(3) 38⅞" W x 22⅜" D x 4" H, (1) 38⅞" W x 22⅜" D x 10" H

Canopy

Dimensions:.....60" W x 24" D x 22¾" H
Shipping Weight:.....165 Lbs.
Cu. In. Capacity:.....24,500"

Item No.	Color
Canopy/11-Drawer Cabinet Combo	
TSS **RD07060135**	Red
TSS **BL07060135**	Blue
TSS **BK07060135**	Black
TSS **BU07060135**	Burgundy
TSS **YW07060135**	Yellow
8-Drawer Top Chest	
TSS **RD02060085**	Red
TSS **BL02060085**	Blue
TSS **BK02060085**	Black
TSS **BU02060085**	Burgundy
TSS **YW02060085**	Yellow

Item No.	Color
11-Drawer Cabinet	
TSS **RD04060123**	Red
TSS **BL04060123**	Blue
TSS **BK04060123**	Black
TSS **BU04060123**	Burgundy
TSS **YW04060123**	Yellow
Canopy	
TSS **RD02060103**	Red
TSS **BL02060103**	Blue
TSS **BK02060103**	Black
TSS **BU02060103**	Burgundy
TSS **YW02060103**	Yellow

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BIG DAWG™ 2-SHELF HANG-ON CABINETS

- Comes with locking door, two adjustable pull-out shelves that operate on ball bearing slides and heavy-duty top mat
- Attaches to either side of roller cabinet
- Compatible with 53" and 27" roller cabinets

Height: ..... 40½"
Width: ..... 13⅝"
Depth: ..... 18"
Shipping Weight: ..... 58 Lbs.
Cu. In. Capacity: ..... 6,300 cu. in
Shelves: ..... (2) 9¾" x 16½" x 2"

Item No.	Description	Color
TSS **RD08018025**	2-Shelf Side Cabinet	Red
TSS **BL08018025**	2-Shelf Side Cabinet	Blue
TSS **BK08018025**	2-Shelf Side Cabinet	Black
TSS **BU08018025**	2-Shelf Side Cabinet	Burgundy
TSS **YW08018025**	2-Shelf Side Cabinet	Yellow



BIG DAWG™ 2-SHELF HANG-ON CABINETS

- Comes with locking door, two adjustable pull-out shelves that operate on ball bearing slides and heavy-duty top mat
- Attaches to either side of roller cabinet
- Compatible with 53" and 27" roller cabinets

Height: ..... 33⅛"
Width: ..... 13⅝"
Depth: ..... 20"
Shipping Weight: ..... 61 Lbs.
Cu. In. Capacity: ..... 7,000 cu. in.
Shelves: ..... (2) 9¾" x 18½" x 2"

Item No.	Description	Color
TSS **RD08020025**	2-Shelf Side Cabinet	Red
TSS **BL08020025**	2-Shelf Side Cabinet	Blue
TSS **BK08020025**	2-Shelf Side Cabinet	Black
TSS **BU08020025**	2-Shelf Side Cabinet	Burgundy
TSS **YW08020025**	2-Shelf Side Cabinet	Yellow

BIG DAWG™ 6-DRAWER HANG-ON CABINETS

- Six more drawers add lots of extra storage
- Comes with ball bearing slides on all drawers
- Heavy-duty top mat protects work surface
- Attaches to either side of roller cabinet
- Compatible with 53" and 27" roller cabinets

Height: ..... 40½"
Width: ..... 13⅝"
Depth: ..... 18"
Shipping Weight: ..... 94 Lbs.
Cu. In. Capacity: ..... 4,231 cu. in.
Drawer Sizes: ..... (2) 9¾" x 16½" x 2",
(2) 9¾" x 16½" x 4",
(1) 9¾" x 16½" x 6",
(1) 9¾" x 16½" x 10"



Item No.	Description	Color
TSS **RD08018065**	6-Drawer Side Cabinet	Red
TSS **BL08018065**	6-Drawer Side Cabinet	Blue
TSS **BK08018065**	6-Drawer Side Cabinet	Black
TSS **BU08018065**	6-Drawer Side Cabinet	Burgundy
TSS **YW08018065**	6-Drawer Side Cabinet	Yellow

BIG DAWG™ 6-DRAWER HANG-ON CABINETS

- Six more drawers add lots of extra storage
- Comes with ball bearing slides on all drawers
- Heavy-duty top mat protects work surface
- Compatible with 53" and 27" roller cabinets

Height: ..... 33⅛"
Width: ..... 13⅝"
Depth: ..... 20"
Shipping Weight: ..... 100 Lbs.
Cu. In. Capacity: ..... 4,742 cu. in.
Drawer Sizes: ..... (2) 9¾" x 18/" x 2",
(2) 9¾" x 18/" x 4",
(1) 9¾" x 18½" x 6",
(1) 9¾" x 18½" x 10"



Item No.	Description	Color
TSS **RD08020065**	6-Drawer Side Cabinet	Red
TSS **BL08020065**	6-Drawer Side Cabinet	Blue
TSS **BK08020065**	6-Drawer Side Cabinet	Black
TSS **BU08020065**	6-Drawer Side Cabinet	Burgundy
TSS **YW08020065**	6-Drawer Side Cabinet	Yellow



29 IN. BIG DAWG™ PRO SERIES 5-DRAWER TRUCK BOX

- Non-skid rubber feet prevent sliding
- Lockable drop front conceals drawers and till
- Extra large, full-width drawer pulls
- Metal thickness: Body 16 ga. drawers - 18 ga.
- Locking lid hinges
- Welded steel handles

Dimensions:..... 29 1/8" W x 20 1/4" D x 17 7/8" H
Shipping Weight:..... 117 Lbs.
Cu. In. Capacity: ..... 7,111"
Top Till:..... 28 3/4" x 19 3/4" x 2 3/4"
Drawer Sizes:..... (4) 25" x 18 1/2" x 2", (1) 25" x 18 1/2" x 4"
TSS **BK02029045**





24 IN. HOMEOWNER'S COMBOS

- HMC high security flat-key locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Friction glides in each drawer
- Locking lid hinges
- Bottom storage cabinet
- Four 3" x 1" Casters with zinc finish

Metal Thickness:..... 0.7mm for body & frame / 0.5mm for drawers
Top Chest Overall:..... 23 3/4" W x 10 1/4" D x 13 1/2" H
Top Chest Drawers:..... (3) 6 3/4" W x 9" D x 1 5/8" H
(2) 20 1/4" W x 9" D x 1 5/8" H
(1) 20 1/4" W x 9" D x 3 3/8" H
Roller Cabinet Overall:..... 24 1/2" W x 13 1/8" D x 29 1/4" H
Roller Cabinet Drawers:..... (2) 20 1/4" W x 12" D x 3 3/8" H
Roller Cabinet Storage Area:..... 24 1/2" W x 12 1/4" D x 15 1/4"H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK07062400**	Black	24 1/2"	13 1/8"	42 3/4"	55.5 lbs.
TSS **RD07062400**	Red	24 1/2"	13 1/8"	42 3/4"	55.5 lbs.

46 IN. & 60 IN. BIG DAWG™ PRO SERIES SIDE ATTACHMENTS

- Ball-bearing drawer slides that move easily under heavy drawer loads
- Bolts onto either side of compatible rolling cabinet
- HMC high security tubular locking system
- Locker has 2 drawers and i1 stationary shelf
- Extra large, full-width drawer pulls
- Metal thickness: body - 16 ga. drawers - 18 ga.

Item No.	Color
Locker	
TSS **BK08021061**	Black
TSS **BL08021061**	Blue
TSS **BU08021061**	Burgundy
TSS **RD08021061**	Red
TSS **YW08021061**	Yellow
6-Drawer Side Cabinet	
TSS **BK08026021**	Black
TSS **BL08026021**	Blue
TSS **BU08026021**	Burgundy
TSS **RD08026021**	Red
TSS **YW08026021**	Yellow



TSS **RD08021061**



TSS **YW08026021**



18 IN. FULL-HEIGHT SIDE LOCKERS

- Ball-bearing drawer slides that move easily under heavy drawer loads
- 2 internal drawers
- Drawer liners
- Full-width aluminum drawer pulls
- 18 1/4" L x 18" W x 53 3/4" H
- 89 lb. Piece Weight
- 104 lb. Shipping Weight
- High-Quality Powder-Coat Paint Finish
- HMC high security tubular locking system
- This locker can fit to both SE and new PRO series cabinets

Item No.	Description	Color
TSS **BK08041021**	41" Pro Series Locker	Black
TSS **BL08041021**	41" Pro Series Locker	Blue
TSS **RD08041021**	41" Pro Series Locker	Red

Homak H2PRO



ACCESSORIZE
See Page 314 for Available Accessories!



36 IN. H2PRO 2-PIECE TOOLBOX COMBOS

Features & Benefits

- HMC High security tubular locking system
- 3.2 mil epoxy-polyester powder coat paint finish
- Full-length aluminum drawer pulls
- EVA drawer liners & top mat included
- Replaceable 460mm ball-bearing drawer slides (100 lbs./set)
- Full-extension gas struts in top till
- Heavy-duty lift handles on top chest
- Full-length rubberized aluminum push handle on roller cabinet
- Pull-out work station
- Four 6" x 2" roller-bearing casters with 550 lbs. capacity per caster
- 8-Year limited warranty
- Metal Thickness: 1.5mm for frame / 1.2mm for drawers

8-Drawer Top Chest

Dimensions: ..... 35 1/4" W x 21 3/4" D x 24 1/2" H
Piece Weight: ..... 182 lbs.
Shipping Weight: ..... 189 lbs.
Drawer Sizes: ..... (4) 6 1/2" W x 20" D x 2 3/4" H, 100 lb. capacity
(3) 30 7/8" W x 20" D x 2 3/4" H, 100 lb. capacity
(1) 30 7/8" W x 20" D x 5 1/2" H, 200 lb. capacity

6-Drawer Roller Cabinet

Dimensions: ..... 36 1/8" W x 22 7/8" D x 42 1/4" H
Piece Weight: ..... 256 lbs.
Shipping Weight: ..... 276 lbs.
Work Station: ..... 30 7/8" W x 19" D, 100 lb. capacity
Drawer Sizes: ..... (5) 30 7/8" W x 19 7/8" D x 3 3/8" H, 100 lb. capacity
(1) 30 7/8" W x 19 7/8" D x 5 3/4" H, 200 lb. capacity

Item No.	Color
2-Piece Toolbox Combo	
TSS **BK07036140**	Black
TSS **BL07036140**	Blue
TSS **RD07036140**	Red
8-Drawer Top Chest	
TSS **BK02036081**	Black
TSS **BL02036081**	Blue
TSS **RD02036081**	Red
6-Drawer Roller Cabinet	
TSS **BK04036061**	Black
TSS **BL04036061**	Blue
TSS **RD04036061**	Red

41 IN. H2PRO 2-PIECE TOOLBOX COMBOS

Features & Benefits

- HMC High security tubular locking system
- 3.2 mil epoxy-polyester powder coat paint finish
- Full-length aluminum drawer pulls
- EVA drawer liners & top mat included
- Replaceable 460mm ball-bearing drawer slides (100 lbs./set)
- Full-extension gas struts in top till
- Heavy-duty lift handles on top chest
- Full-length rubberized aluminum push handle on roller cabinet
- Pull-out work station
- Four 6" x 2" roller-bearing casters with 550 lbs. capacity per caster
- 8-Year limited warranty
- Metal Thickness: 1.5mm for frame / 1.2mm for drawers

9-Drawer Top Chest

Dimensions: ..... 41 1/8" W x 21 3/4" D x 24 1/2" H
Piece Weight: ..... 213 lbs.
Shipping Weight: ..... 227 lbs.
Drawer Sizes ..... (4) 21 5/8" W x 21 5/8" D x 2 5/8" H, 100 lb. capacity
(1) 21 5/8" W x 20 1/8" D x 5 5/8" H, 200 lb. capacity,
(3) 12 5/8" W x 20 1/8" D x 2 5/8" H, 100 lb. capacity,
(1) 12 5/8" W x 20 1/8" D x 8 1/2" H, 200 lb. capacity

6-Drawer Roller Cabinet

Dimensions: ..... 42" W x 22 7/8" D x 42 1/4" H
Piece Weight: ..... 303 lbs.
Shipping Weight: ..... 325 lbs.
Work Station: ..... 36 3/4" W x 15 3/4" D, 100 lb. capacity
Drawer Sizes: ..... (1) 36 3/4" W x 19 7/8" D x 4 7/8" H, 200 lb. capacity
(5) 21 5/8" W x 19 7/8" D x 4 1/2" H, 100 lb. capacity

Item No.	Color
2 Piece Toolbox Combo	
TSS **BK07041150**	Black
TSS **BL07041150**	Blue
TSS **RD07041150**	Red
9-Drawer Top Chest	
TSS **BK02041091**	Black
TSS **BL02041091**	Blue
TSS **RD02041091**	Red
6-Drawer Roller Cabinet	
TSS **BK04041062**	Black
TSS **BL04041062**	Blue
TSS **RD04041062**	Red



TSS **BK07056150** *TSS* **BL07056150** *TSS* **RD07056150**

56 IN. H2PRO SERIES COMBOS

- HMC high security tubular locking system
- Full length aluminum drawer pulls
- Drawer liners and top mat included
- Replaceable ball-bearing drawer slides
- Full-extension gas struts
- 6" x 2" roller bearing casters w/550 lb. capacity per caster
- Two compartment drawers (100 lbs. capacity per drawer)

7-Drawer Top Chest

Dimensions:..... 55¾" W x 21¾" D x 20¾" H
Shipping Weight:..... 244 Lbs.
Drawer Sizes:..... (4) 29¼" W x 20" D x 2" H
(2) 18½" W x 20" D x 2" H
(1) 18½" W x 20" D x 4" H

8-Drawer Rolling Cabinet

Dimensions:..... 56¼" W x 22⅞" D x 45¾" H
Shipping Weight:..... 412 Lbs.
Drawer Sizes:..... (1) 29¼" W x 19¾" D x 6¼" H
(1) 19⅞" W x 19¾" D x 6¼" H
(6) 29¼" W x 19¾" D x 3¼" H

Item No.	Color
7-Drawer Chest/8-Drawer Cabinet Combo	
TSS **BK07056150**	Black
TSS **BL07056150**	Blue
TSS **RD07056150**	Red
7-Drawer Chest	
TSS **BK02056071**	Black
TSS **BL02056071**	Blue
TSS **RD02056071**	Red
8-Drawer Cabinet	
TSS **BK04056082**	Black
TSS **BL04056082**	Blue
TSS **RD04056082**	Red

ACCESSORIZE
See Page 314 for Available Accessories!



TSS **BK07072310**

72 IN. H2PRO 2-PIECE TOOLBOX COMBOS

Features & Benefits

- HMC High security tubular locking system
- 3.2 mil epoxy-polyester powder coat paint finish
- Full-length aluminum drawer pulls
- EVA drawer liners & top mat included
- Replaceable 460mm ball-bearing drawer slides (100 lbs/set)
- Full-extension gas struts in top till
- Four heavy-duty lift handles on top chest
- Full-length rubberized aluminum push handle on roller cabinet
- Six 6" x 2" roller-bearing casters with 550 lbs. capacity per caster
- 8-Year limited warranty
- Metal Thickness: 1.5mm for frame / 1.2mm for drawers

10-Drawer Top Chest

Dimensions:..... 71¾" W x 21¾" D x 20⅝" H"
Piece Weight:..... 286 lbs.
Shipping Weight:..... 308 lbs.
Drawer Sizes:..... (2) 12¼" W x 20" D x 3" H, 100 lb. capacity,
(2) 12¼" W x 20" D x 6¼" H, 200 lb. capacity,
(4) 37½" W x 20" D x 3" H, 100 lb. capacity
(2) 12¼" W x 20" D x 3"H, 100 lb. capacity,

21-Drawer Roller Cabinet

Dimensions: ..... 72⅛" W x 22⅞" D x 46¾" H
Piece Weight:..... 585 lbs.
Shipping Weight:..... 607 lbs.
Drawer Sizes:..... (12) 12¼" W x 19⅞" D x 4" H, 100 lb. capacity
(2) 12¼" W x 19⅞" D x 8⅞" H, 200 lb. capacity
(1) 37⅝" W x 19⅞" D x 8⅞" H, 200 lb. capacity
(6) 37⅝" W x 19⅞" D x 4" H, 100 lb. capacity

Item No.	Color
2-Piece Toolbox Combo	
TSS **BK07072310**	Black
TSS **BL07072310**	Blue
TSS **RD07072310**	Red
10-Drawer Top Chest	
TSS **BK02010720**	Black
TSS **BL02010720**	Blue
TSS **RD02010720**	Red
21-Drawer Roller Cabinet	
TSS **BK04021720**	Black
TSS **BL04021720**	Blue
TSS **RD04021720**	Red



TSS **BK08018070** *TSS* **BL08018070** *TSS* **RD08018070**

18 IN. H2PRO SERIES 7 DRAWER SIDE CABINETS

- Compatible with 72", 56", 41" and 36" H2Pro units
- Drawer liners and top mat included
- Replaceable ball-bearing drawer slides
- Two 6" x 2" casters
- HMC tubular keys

Dimensions: ..... 18" W x 22½" D x 44" H
Piece Weight: ..... 171 lbs.
Shipping Weight: ..... 175 lbs.
Drawer Sizes: ..... (1) 12⅜" W x 19¼" D x 1½" H,
..... (5) 12⅜" W x 19¼" D x 3⅛" H,
..... (1) 12⅜" W x 19¼" D x 7⅜" H

TSS **BK08018070**	Black
TSS **BL08018070**	Blue
TSS **RD08018070**	Red



TSS **BK08019602** *TSS* **BL08019602** *TSS* **RD08019602**

18 IN. H2PRO SERIES FULL-HEIGHT SIDE LOCKERS

- Compatible with 72", 56", 41 and 36" H2Pro units
- 2 Drawer with replaceable ball-bearing slides
- 2 Height adjustable storage shelves
- HMC tubular keys

Dimensions: ..... 19" W x 22¼" D x 65⅜" H
Piece Weight: ..... 153 lbs.
Shipping Weight: ..... 157 lbs.
Drawer Sizes: ..... (2) 12½" W x 18" D x 3⅝" H,
Shelves ..... (2) 18½" W x 19¾" D x ⅝" H

TSS **BK08019602**	Black
TSS **BL08019602**	Blue
TSS **RD08019602**	Red



35 IN. PRO 7 DRAWER FLIP-TOP SERVICE CART

Features & Benefits

- Full-extension gas struts support till compartment lid
- HMC high security tubular locking system with keys
- Four 5" x 2" swivel casters: 2 with wheel brakes
- Removable 416mm ball-bearing drawer glides
- Full-length, aluminum drawer pulls
- Foam drawer liners included
- Heavy-duty push handle

Specifications

Width: ..... 31"
Depth: ..... 20½"
Height: ..... 39¼"
Piece Weight: ..... 184 lbs.
Shipping Weight: ..... 204 lbs.

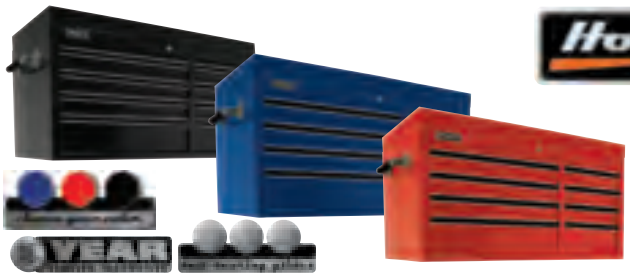
Metal Thickness

Lid: 1.5mm
Frame: 1.2mm
Drawers: 1.0mm
Legs: 2.0mm

Maximum Capacities

Slide Pair: ..... 88 lbs./Pair
Casters: ..... 330 lbs./Caster
Drawers Sizes: ..... (2) 11⅝" W x 17¼" D x 2¼" H
(4) 25⅜" W x 17¼" D x 2¼" H
(1) 25⅜" W x 17¼" D x 5⅝" H
Compartments Size: ..... (Top) 30" W x 19" D x 7½" H

Item No.	Color
TSS **BL06035073**	Gloss Blue
TSS **BK06035073**	Gloss Black
TSS **LG06035073**	Gloss Green
TSS **OG06035073**	Gloss Orange
TSS **YW06035073**	Gloss Yellow



41 IN. PROFESSIONAL SERIES 8-DRAWER TOP CHESTS

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Full length solid aluminum drawer handles
- Drawer liners and top mat included
- Full-extension gas struts
- 390mm replaceable ball-bearing slides
- Lid opens 90°

Metal Thickness:..... 1.0mm for body and frame / 0.8mm for drawers
Load Capacity:..... 88 lbs. per drawer
Drawer Sizes:..... (3) 12¼" W x 15¾" D x 2⅝" H
(1) 12¼" W x 15¾" D x 5¾" H
(3) 22½" W x 15¾" D x 2⅝" H
(1) 22½" H x 15¾" D x 5¾" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK02008410**	Black	41"	17¾"	21½"	135 lbs.
TSS **BL02008410**	Blue	41"	17¾"	21½"	135 lbs.
TSS **RD02008410**	Red	41"	17¾"	21½"	135 lbs.



41 IN. PROFESSIONAL SERIES 11-DRAWER ROLLING CABINETS

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Full length solid aluminum drawer handles
- Drawer liners and top mat included
- 390mm Replaceable ball-bearing slides
- Four 5" x 2" casters: Two swivel, two w/wheel brake
- Heavy-duty aluminum push handle

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:..... 88 lbs. per drawer / 330 lbs. per caster
Drawer Sizes:..... (1) 37¾" W x 15⅞" D x 5" H
(3) 22¼" W x 15⅞" D x 3" H
(2) 22¼" W x 15⅞" D x 6"H
(3) 12¼" W x 15¾" D x 3" H
(2) 11⅞" W x 15⅞" D x 6" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK04011410**	Black	42"	18⅛"	38¾"	208 lbs.
TSS **BL04011410**	Blue	42"	18⅛"	38¾"	208 lbs.
TSS **RD04011410**	Red	42"	18⅛"	38¾"	208 lbs.



27 IN. PROFESSIONAL SERIES 9-DRAWER TOP CHESTS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- Locking lid hinges
- 250mm Ball-bearing slides
- Drawer liners and top mat included
- Easy carrying side handle

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:..... 77 lbs. per drawer
Drawer Sizes:..... (6) 6⅝" W x 10" D x 1¾" H,
(2) 22½" W x 10" D x 1¾" H,
(1) 22½" W x 10" D x 2⅜" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK02092601**	Black	26"	12"	17"	63 lbs.
TSS **BL02092601**	Blue	26"	12"	17"	63 lbs.
TSS **RD02092601**	Red	26"	12"	17"	63 lbs.



27 IN. PROFESSIONAL SERIES 9-DRAWER EXTENDED TOP CHESTS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- Locking lid hinges
- 250mm Ball-bearing slides
- Drawer liners and top mat included

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:..... 77 lbs. per drawer
Drawer Sizes:..... (6) 6⅝" W x 15⅝" D x 1¾" H
(2) 22½" W x 15¾" D x 1¾" H
(1) 22½" H x 15⅝" D x 2⅜" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK02027901**	Black	26"	17½"	17"	100 lbs.
TSS **BL02027901**	Blue	26"	17½"	17"	100 lbs.
TSS **RD02027901**	Red	26"	17½"	17"	100 lbs.

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27 IN. PROFESSIONAL SERIES 4-DRAWER TOP CHESTS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- Locking lid hinges
- 250mm Ball-bearing slides
- Drawer liners and top mat included
- Easy carrying side handle

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:.....77 lbs. per drawer
Drawer Sizes:.....(3) 22½" W x 10" D x 1¾" H
(1) 22½" W x 10" D x 2⅜" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK02042601**	Black	26"	12"	14¾"	50 lbs.
TSS **BL02042601**	Blue	26"	12"	14¾"	50 lbs.
TSS **RD02042601**	Red	26"	12"	14¾"	50 lbs.



27 IN. PROFESSIONAL SERIES 3-DRAWER MIDDLE CHESTS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- Locking lid hinges
- 250mm Ball-bearing slides
- Drawer liners and top mat included
- Easy grip side handles

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:.....77 lbs. per drawer
Drawer Sizes:.....(2) 22⅜" W x 10⅛" D x 1¾" H;
(1) 22⅜" H x 10⅛" D x 2⅜" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK03032601**	Black	26¼"	12¼"	9⅞"	33.5 lbs.
TSS **BL03032601**	Blue	26¼"	12¼"	9⅞"	33.5 lbs.
TSS **RD03032601**	Red	26¼"	12¼"	9⅞"	33.5 lbs.



27 IN. PROFESSIONAL SERIES 7-DRAWER ROLLING CABINETS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- 250mm Ball-bearing slides
- Drawer liners included
- Heavy-duty rubber grip handle
- Four 5" x 2" casters: two swivel, two w/wheel brake

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:..... 77 lbs. per drawer / 330 lbs. per caster
Drawer Sizes:.....(5) 22⅜" W x 15" D x 2½" H;
(2) 22⅜" W x 15" D x 5⅝" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK04072601**	Black	26¾"	18"	39"	138 lbs.
TSS **BL04072601**	Blue	26¾"	18"	39"	138 lbs.
TSS **RD04072601**	Red	26¾"	18"	39"	138 lbs.



27 IN. PROFESSIONAL SERIES 6-DRAWER ROLLING CABINETS

- 3.2 mil Epoxy-polyester powder coat paint finish
- HMC high security tubular locking system
- 250mm Ball-bearing slides
- Drawer liners and top mat included
- Heavy duty rubber grip handle
- Four 5" x 2" Casters: Two swivel, two w/wheel brake

Metal Thickness:..... 1.0mm for body & frame / 0.8mm for drawers
Load Capacity:..... 77 lbs. per drawer / 330 lbs. per caster
Drawer Sizes:..... (5) 22⅜" W x 15" D x 2" H;
(1) 22⅜" W x 15" D x 6" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK04062601**	Black	26¾"	18"	31½"	107 lbs.
TSS **BL04062601**	Blue	26¾"	18"	31½"	107 lbs.
TSS **RD04062601**	Red	26¾"	18"	31½"	107 lbs.

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27 IN. SE SERIES 5-DRAWER TOP CHEST



- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Locking lid hinges
- 254mm Ball-bearing slides
- Drawer liners and top mat included
- Deep inset side handles

Metal Thickness:.....0.8mm
Load Capacity:.....33 lbs. per drawer
Drawer Sizes:.....(4) 22½" W x 10¾" D x 1½" H
(1) 22½" H x 10¾" D x 2½" H

Item No.	Width	Depth	Height	Weight
TSS **BG02026503**	26"	12"	17"	41 lbs.

27 IN. SE SERIES 6-DRAWER TOP CHEST



- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Locking lid hinges
- 254mm Ball-bearing slides
- Drawer liners and top mat included
- Deep inset side handles

Metal Thickness:.....0.8mm
Load Capacity:.....33 lbs. per drawer
Drawer Sizes:.....(3) 7¾" W x 10¾" D x 1½" H
(2) 22½" W x 10¾" D x 1½" H
(1) 22½" H x 10¾" D x 2⅜" H

Item No.	Width	Depth	Height	Weight
TSS **BG02026603**	26"	12"	14⅞"	43 lbs.

27 IN. SE SERIES 9-DRAWER TOP CHEST



- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Locking lid hinges
- 254mm Ball-bearing slides
- Drawer liners and top mat included
- Deep inset side handles

Metal Thickness:.....0.8mm
Load Capacity:.....33 lbs. per drawer
Drawer Sizes:.....(6) 6¾" W x 10⅜" D x 1⅞" H
(2) 22½" W x 10⅜" D x 3⅜" H
(1) 22½" H x 10⅜" D x 1⅞" H

Item No.	Width	Depth	Height	Weight
TSS **BG02026903**	26"	12"	183/4"	55 lbs.

27 IN. SE SERIES 2-DRAWER MIDDLE CHEST



- Full-length drawer handles
- 254mm Ball-bearing slides in each drawer
- 3.2 mil Epoxy-polyester powder coat paint finish
- Great addition to 27" SE combo units
- Deep inset side handles

Metal Thickness:.....0.8mm
Load Capacity:.....33 lbs. per drawer
Drawer Sizes:.....(1) 22⅝" W x 10⅜" D x 1⅝" H
(1) 22⅝" H x 10⅜" D x 2⅜" H

Item No.	Width	Depth	Height	Weight
TSS **BG03027203**	26½"	12½"	10½"	24.5 lbs.

27 IN. SE SERIES 4-DRAWER ROLLING CABINET



- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- 406mm Ball-bearing slides
- Drawer liners included
- Four 5" x 2" Casters: Two swivel, two w/wheel brake
- Large push handle for mobility

Metal Thickness:..... 0.8mm for body / 0.7mm for frame & drawers
Load Capacity:..... 55 lbs. per drawer / 138 lbs. per caster
Drawer Sizes:..... (2) 23" W x 15" D x 2¼" H
(1) 23" W x 15" D x 4⅞" H
(1) 23" H x 15" D x 7⅜" H

Item No.	Width	Depth	Height	Weight
TSS **BG04027403**	27"	18⅜"	31⅜"	85 lbs.

27 IN. SE SERIES 6-DRAWER ROLLING CABINET



- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- 406mm Ball-bearing slides
- Drawer liners included
- Four 5" x 2" casters: two swivel, two w/wheel brake
- Large push handle for easy mobility

Metal Thickness:..... 0.8mm for body / 0.7mm for frame & drawers
Load Capacity:..... 55 lbs. per drawer / 138 lbs. per caster
Drawer Sizes:.....(1) 22½" W x 16¼" D x 2½" H
(4) 22½" W x 16¼" D x 3½" H
(1) 22½" H x 16¼" D x 5¾" H

Item No.	Width	Depth	Height	Weight
TSS **BG04027603**	27"	18"	37"	101 lbs.

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60 IN. STAINLESS STEEL TOP ROLLER CABINET

- Two lockable compartments, featuring height-adjustable shelves and pull-out drawers
- Removable, 450mm ball-bearing drawer glides safely hold up to 100 lbs (per drawer)
- Two heavy-duty push handles and full-length aluminum drawer pulls
- Four 5" x 2" casters; 2 fixed, 2 swivel with locking lever system
- Stainless steel work surface with embossed 'Homak' logo
- 3.2 mil epoxy-polyester powder coat satin paint finish
- HMC high security tubular locking system with keys

Specifications

Width: ..... 60"
Depth: ..... 22 7/8"
Height: ..... 42 3/8"
Piece Weight: ..... 362 lbs.
Shipping Weight: ..... 392 lbs.

Metal Thickness

SS Top: ..... 1.0 mm
Cabinet Top: ..... 1.2 mm
Cabinet Frame: ..... 1.0 mm
Drawers: ..... 0.8 mm

Maximum Capacities

Slide Pair: ..... 100 lbs.
Casters: ..... 550 lbs.
Drawers Sizes: ..... (2) 22 1/4" W x 20 1/4" D x 1 1/2" H
(3) 22 1/4" W x 20 1/4" D x 4 1/8" H
(1) 22 1/4" W x 20 1/4" D x 6 3/4" H
Compartments Size: ..... (2) 15" W x 22" D x 31 1/4" H
Adjustable Shelves Size: ..... (2) 15" W x 22" D
Pull-Out Drawers Size: ..... (2) 13 1/2" W x 18 1/4" D x 1 1/4" H

Item No.	Color
TSS **BK04060064**	Matte Black



17 IN. PRO SERIES 7-DRAWER SIDE CABINETS

- HMC high security tubular locking system
- Full length solid aluminum drawer handles
- Drawer liners and top mat included
- 390mm replaceable ball-bearing slides
- Two 5" x 2" casters
- Compatible with both SE Pro Series Rolling Cabinets

Drawer Sizes: ..... (5) 12 3/8" W x 15" D x 2 1/2" H
(2) 12 3/8" W x 15" D x 5 3/8" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK08041071**	Black	17"	18"	33 1/8"	93 lbs.
TSS **BL08041071**	Blue	17"	18"	33 1/8"	93 lbs.
TSS **RD08041071**	Red	17"	18"	33 1/8"	93 lbs.





Closed top

35 IN. PRO SERIES 4-DRAWER SLIDE-TOP SERVICE CARTS

- 3.2 mil epoxy-polyester powder coat paint finish
- Dual HMC high security tubular locking system
- Heavy-duty rubber grip aluminum push handle
- Rubber top mats and EVA drawer liners
- Slotted sides for organized screwdriver hanging
- Full-length aluminum scoop-style drawer pulls
- Lockable, slide-top panels
- Four 5" x 2" caster and 416mm ball-bearing slides

Metal Thickness: ..... 1.0mm for drawers / 1.2mm for lid & frame
Load Capacity: ..... 77 lbs. per drawer / 330 lbs. per caster
Top Till: ..... 29" W x 20 1/8" D x 6 3/4" H
Drawer Sizes: ..... (2) 11 1/4" W x 18 7/8" D x 2 1/4" H
(1) 24 3/4" W x 18 7/8" D x 2 1/4" H,
(1) 24 3/4" W x 18 7/8" D x 3 7/8" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK06043500**	Black	30 1/4"	20 5/8"	42"	146 lbs.
TSS **BL06043500**	Blue	30 1/4"	20 5/8"	42"	146 lbs.
TSS **RD06043500**	Red	30 1/4"	20 5/8"	42"	146 lbs.



35 IN. PROFESSIONAL SERIES SERVICE CART W/4 DRAWERS

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- 416mm Ball-bearing slides
- Full-extension gas struts
- Bottom shelf
- Four 5" x 2" casters: two swivel, two w/wheel brake
- Large push handle for easy mobility

Metal Thickness:...1.5mm for lid / 1.2mm for frame, 1.0mm for drawers
Load Capacity:..... 100 lbs. per drawer / 330 lbs. per caster
Top Fill: ..... 30 1/2" W x 19 3/8" D x 4 3/8" H
Drawer Sizes:.....(2) 11 5/8" W x 17 3/8" D x 2 5/8" H
(1) 25 3/8" W x 17 3/8" D x 2 5/8" H
(1) 25 3/8" W x 17 3/8" D x 6" H

Item No.	Width	Depth	Height	Weight
TSS **BK06032000**	35"	20 7/8"	33 3/8"	141 lbs.

TSS **BK05500200**

TSS **BL05500200**



35 IN. PROFESSIONAL SERIES SERVICE CARTS W/3 DRAWERS

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- 350mm Ball-bearing slides
- Full extension gas struts
- Bottom shelf
- Four 5" x 2" casters: Two swivel, two w/wheel brake
- Large push handle for mobility

Metal Thickness:..... 1.2mm for body / 1.0mm for frame & drawers
Load Capacity:..... 55 lbs. per drawer / 264 lbs. per caster
Top Till:..... 30 3/8" W x 15 7/8" D x 4" H
Drawer Sizes:.....(1) 26 7/8" W x 14 3/4" D x 1 3/4" H
(1) 26 7/8" W x 14 3/4" D x 2 1/2" H
(1) 26 7/8" W x 14 3/4" D x 3 7/8" H

Item No.	Width	Depth	Height	Weight
TSS **BK05500200**	34 1/2"	16 3/4"	39 3/8"	110 lbs.
TSS **BL05500200**	34 1/2"	16 3/4"	39 3/8"	110 lbs.



TSS **BL05500190**

TSS **BK05500190**

32 IN. PROFESSIONAL SERIES SERVICE CARTS W/1 DRAWER

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- 350mm Ball-bearing slides
- Locking lid hinges
- Bottom shelf
- Four 4" x 1" casters: two swivel, two w/wheel brake
- Large push handle for easy mobility

Metal Thickness:.....1.0mm
Load Capacity:..... 55 lbs. per drawer / 264 lbs. per caster
Top Till:..... 30 1/4" W x 16 1/8" D x 2 7/8" H
Drawer Sizes:.....(1) 26 7/8" W x 14 3/4" D x 3 3/4" H

Item No.	Width	Depth	Height	Weight
TSS **BK05500190**	31 1/2"	17 1/2"	35 5/8"	63 lbs.
TSS **BL05500190**	31 1/2"	17 1/2"	35 5/8"	63 lbs.



27 IN. PRO SERIES 2-DRAWER SLIDE-TOP SERVICE CART

- HMC high security tubular locking system
- 3.2 mil Epoxy-polyester powder coat paint finish
- Ball-bearing glides in each drawer
- Top locking sliding panels provides additional storage
- Rubber mats protect top surface
- Bottom shelf
- Four 4" x 1" casters with zinc finish

Metal Thickness:.....0.8mm
Load Capacity:..... 150 lbs. per caster
Drawer Sizes:..... (2) 22 1/4" W x 12 3/4" D x 2 H

Item No.	Width	Depth	Height	Weight
TSS **BK06022704**	27 7/8"	14 5/8"	34"	60.5 lbs.

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RED METAL / BLACK PLASTIC HAND CARRY TOOLBOXES

- Painted steel body with plastic reinforcing corners, lift-out plastic tray included
- Full-length aluminum handle for sturdy, balanced grip.
- Model *TSS* **RD00120004** has 8 removable storage bins in top lid tray.
- Model *TSS* **RD00122504** has 5 removable storage bins in top lid tray.
- Model *TSS* **RD00126110** has 5 removable storage bins in top lid tray.
- Secured with double clasp system and padlockable design

TSS **RD00122504**

Item No.	Width	Depth	Height	Weight
TSS **RD00120004**	19 1/2"	7 7/8"	9 7/8"	6.5 lbs.
TSS **RD00122504**	22 5/8"	9 3/4"	9 7/8"	8 lbs.
TSS **RD00126110**	26"	10"	10"	9.4 lbs.



YEAR

20 IN. INDUSTRIAL 2 DRAWER FRICTION TOOLBOXES

- Solid industrial quality construction
- Brown wrinkle or gloss red powder coat paint finish
- Secured by a HMC high-security tubular locking system
- EVA liner in each drawer
- Metal thickness of 0.8mm

Internal Dimensions

Top Till:..... 20" W x 8 3/8" D x 2 1/4" H
2 Drawers:..... 18 1/4" W x 7 3/8" D x 2 1/4" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BW00202200**	Black	20 1/8"	8 5/8"	9 3/4"	16.3 lbs.
TSS **RD00202200**	Red	20 1/8"	8 5/8"	9 3/4"	16.3 lbs.



YEAR

20 IN. INDUSTRIAL TOOL TOTE STEEL TOOLBOX

- Solid industrial quality construction
- Brown wrinkle powder coat paint finish
- Steel tool tray included
- Manufactured using a high grade of steel for maximum durability
- Metal thickness of 0.8mm

Item No.	Width	Depth	Height	Weight
TSS **BW00252200**	20"	7 7/8"	7 1/4"	9 lbs.



20 IN. INDUSTRIAL 3 DRAWER FRICTION TOOLBOXES

- Solid industrial quality construction
- Brown wrinkle powder coat paint finish
- Secured by a HMC high-security tubular locking system
- EVA liner in each drawer
- Metal thickness of 0.8mm

Internal Dimensions

Top Till:..... 9 5/8" W x 8 1/4" D x 2 1/4" H
2 Drawers:.....18 1/4" W x 7" D x 2 1/4" H
1 Drawer:.....18 1/4" W x 7" D x 3" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BW00203200**	Black	20 1/8"	8 3/4"	13 3/4"	17 lbs.
TSS **RD00203200**	Red	20 1/8"	8 3/4"	13 3/4"	17 lbs.



TSS **BW00200200**



TSS **BW00200240**



TSS **BW00200320**

YEAR

20 IN., 24 IN. 32 IN. INDUSTRIAL TOOLBOXES

- Solid industrial quality construction
- Brown wrinkle powder coat paint finish
- Steel tool tray included
- Manufactured using a high grade of steel for maximum durability
- Lid secured by a triple-clasp system
- Metal thickness of 0.8mm

Item No.	Width	Depth	Height	Weight
TSS **BW00200200**	20 1/8"	8 5/8"	9 3/4"	13 lbs.
TSS **BW00200240**	24 1/8"	8 5/8"	9 3/4"	14.5 lbs.
TSS **BW00200320**	32 1/8"	8 5/8"	9 3/4"	18 lbs.



YEAR

STEEL HIP ROOF HAND CARRY TOOLBOXES

- Solid professional quality construction
- Red powder coat paint finish
- Internal steel tray (excluding model *TSS* **RD00116616)**
- Hip roof design
- Metal thickness of 0.8mm

Item No.	Width	Depth	Height	Weight
TSS **RD00116616**	16"	6"	4"	3.5 lbs.
TSS **RD00119200**	19"	6"	6 1/2"	8 lbs.
TSS **RD00119819**	19"	7"	8 1/2"	9.5 lbs.

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TSS **BW00210180**

18 IN. & 22 IN. INDUSTRIAL CANTILEVER TOOLBOXES

- Solid industrial quality construction
- 4 Individual shelves for more organization
- Bottom storage space for larger tools and accessories
- Secured by triple-clasp system
- Additional tray divider sets available
- Metal thickness of 0.8mm

1 YEAR

Internal Dimensions

18 in. - 4 Trays: ..... 16 1/4" W x 4 3/4" D x 1" H
22 in. - 4 Trays: ..... 20 1/4" W x 4 3/4" D x 1 1/2" H

Item No.	Width	Depth	Height	Weight
TSS **BW00210180**	18 1/8"	10"	12 5/8"	18.25 lbs.
TSS **BW00210220**	22 1/8"	10"	12 5/8"	21 lbs.




TSS **BK00120920** *TSS* **RD00120920**

20 IN. FLAT TOP STEEL HAND CARRY TOOLBOXES

- Solid professional quality construction
- Red or black powder coat paint finish
- Internal steel tray
- Double-clasp locking system
- Metal thickness of 0.8mm

1 YEAR

Item No.	Color	Width	Depth	Height	Weight
TSS **BK00120920**	Black	20"	8 1/2"	9"	11.5 lbs.
TSS **RD00120920**	Red	20"	8 1/2"	9"	11.5 lbs.




TSS **BK01022001** *TSS* **RD01022001**

20 IN. 2 DRAWER BALL-BEARING TOOLBOXES

- Solid professional quality construction
- Red or black powder coat paint finish
- Ball-bearing drawer glides
- Metal thickness of body/frame/drawers: 0.6mm. Lid: 0.8mm

1 YEAR

Internal Dimensions

Top Till: ..... 19 1/2" W x 8 1/4" D x 2" H
2 Drawers: ..... 17 1/4" W x 7 1/2" D x 1 3/4" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK01022001**	Black	20"	8 5/8"	9 7/8"	14 lbs.
TSS **RD01022001**	Red	20"	8 5/8"	9 7/8"	14 lbs.




TSS **BK01032101** *TSS* **RD01032101**

20 IN. 3 DRAWER BALL-BEARING TOOLBOXES

- Solid professional quality construction
- Red or black powder coat paint finish
- Ball-bearing drawer glides
- Metal thickness of body/frame/drawers: 0.6mm. Lid: 0.8mm

1 YEAR

Internal Dimensions

Top Till: ..... 19 1/2" W x 8 1/4" D x 2" H
3 Drawers: ..... 17 3/4" W x 7 1/2" D x 1 1/4" H

Item No.	Color	Width	Depth	Height	Weight
TSS **BK01032101**	Black	20 1/2"	8 5/8"	11 7/8"	18 lbs.
TSS **RD01032101**	Red	20 1/2"	8 5/8"	11 7/8"	18 lbs.



12 IN. TOOL BAG

- 11 Storage pockets
- Includes plastic storage box
- Durable polyester material
- Includes shoulder strap

Item No.	Width	Depth	Height	Weight
TSS **TB00112011**	12 1/2"	8"	9"	3 lbs.



8 IN. ELECTRICIAN'S TOOL BAG

- 28 Storage pockets
- Includes plastic storage box
- Durable polyester material
- Includes shoulder strap

Item No.	Width	Depth	Height	Weight
TSS **TB00108028**	8 5/8"	8 1/2"	17 1/2"	3 lbs.



10 IN. BUCKET BAG

- 38 Storage pockets
- Fits a 5-gallon bucket
- Durable polyester material
- Includes shoulder strap

Item No.	Width	Depth	Height	Weight
TSS **TB00102038**	10"	1 5/8"	13 1/4"	1.2 lbs.

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BLACK PLASTIC TOOLBOXES W/BEVELED LID



- Removable plastic lid storage compartments for small hardware
- Internal plastic tray
- Rugged plastic design
- Nested design - product will ship 4 of each toolbox in a single carton

TSS **BK00116004**

Item No.	Width	Depth	Height	Weight
TSS **BK00116004**	16"	7 1/4"	7 1/8"	3 lbs.
TSS **BK00119005**	19 3/8"	9"	9 7/8"	4 lbs.
TSS **BK00122006**	22 3/8"	11 1/4"	11 1/2"	6 lbs.



TSS **HA01086175**



TSS **HA01088175**

STORAGE BOXES

- Great for organizing small hardware
- Lid secured with two plastic latches
- Clear lid for easy selection
- 7 Permanent compartments w/adjustable/removable dividers

Item No.	Width	Depth	Height	Weight
TSS **HA01086175**	8"	1 3/4"	6 1/4"	1.5 lbs.
TSS **HA01088175**	8"	1 3/4"	8"	1.5 lbs.

PLASTIC DOUBLE-SIDED ORGANIZER



- Double-sided design creates twice the storage
- Sides will open independently from one another
- 12 Permanent compartments with 30 adjustable dividers
- Clear lid for easy selection

Item No.	Width	Depth	Height	Weight
TSS **HA01423075**	16 1/2"	4"	12 1/4"	3 lbs.

PARTS ORGANIZER WITH DRAWERS

- Great for organizing small hardware and accessories
- Clear drawers for easy selection
- Wall mountable

Specifications

Width:.....19 7/8"
Depth:.....6 1/4"
Height:..... 10"
Weight: .....4.5 lbs.

TSS **HA01030102**





TSS **HA01012001**



TSS **HA01018001**



TSS **HA01039001**

PARTS ORGANIZERS W/DRAWERS

- Wall mountable
- Clear drawers for easy selection
- Great for organizing small hardware and accessories

Item No.	Width	Depth	Height	Weight
TSS **HA01012001**	10 1/4"	6 1/4"	9 1/2"	4 lbs.
TSS **HA01018001**	14 3/4"	6 1/4"	18 1/2"	5.5 lbs.
TSS **HA01039001**	14 3/4"	6 1/4"	18 1/2"	5.5 lbs.

8 IN. PORTABLE PARTS ORGANIZER



- 5 Removable compartments
- Great for fishing lures or hardware
- High visibility color for outdoor use
- Convenient carrying handle

Item No.	Width	Depth	Height	Weight
TSS **HA01053029**	7 1/2"	4 1/2"	7 1/2"	1.5 lbs.



TSS **HA01010643**



TSS **HA01080643**



TSS **HA01040954**

PLASTIC BINS

- Easily stacked
- Great for cleaning up clutter
- Sets include wall mounting brackets

Item No.	Width	Depth	Height	Weight
TSS **HA01010643**	4 1/8"	6 1/2"	3"	0.25 lbs.
TSS **HA01080643**	4 1/8"	6 1/2"	13 1/2"	1.5 lbs.
TSS **HA01040954**	5 7/8"	9 3/8"	12 1/2"	1.5 lbs.



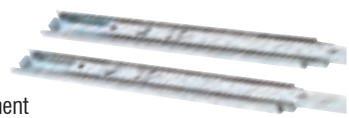
TSS **AC700** *TSS* **AC701** *TSS* **AC702**

TUBULAR KEY HIGH-SECURITY LOCK SETS

- The type of lock found in many coin boxes, vending machines, pay phones, etc.
- Seven pin tumbler cylinder construction
- All locks can be keyed alike

Item No.	Description
TSS **AC700**	2 Keys w/1 lock and hook cam for all Big Dawg & CTS line canopies
TSS **AC701**	2 Keys w/1 lock and straight cam for all mechanic's chests & hang-ons w/shelve drawers
TSS **AC702**	2 Keys w/1 lock for all Big Dawg & CTS line roller cabinets & hang-ons w/drawers

BALL-BEARING DRAWER SLIDES



- Three-member, full-extension ball-bearing slides permit effortless, feather-light movement
- Package includes one left and one right-hand slide

TSS **AC760** Fit drawers 16 1/2" & 18 1/2" deep 11 3/16" H x 16 5/16" L
TSS **AC761** Fits drawers 22 1/2" deep 11 3/16" H x 22" L

ABS DRAWER INSERTS



Organize, separate and arrange tools and small parts. Maximizes the use of drawer space, giving you quick access to contents. No more cluttered, messy drawers.

- ABS black plastic
- All compartments have rounded corners for quick, easy retrieval of small parts and easy cleaning
- Easy to use, drop-in, lift-out!

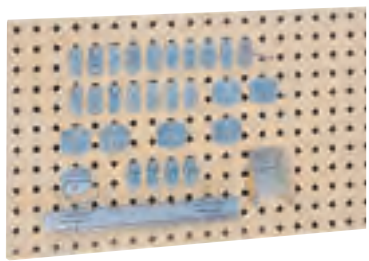
27" & 53" Big Dawg Cabinet Insert Item No.	42" & 46" Big Dawg & CTS Cabinet Insert Item No.	Description
TSS **AC720**	*TSS* **AC726**	2" Drawer, 6 Comp.
TSS **AC721**	*TSS* **AC727**	2" Drawer, 11 Comp.
TSS **AC723**	*TSS* **AC729**	4" Drawer, 4 Comp.
TSS **AC724**	*TSS* **AC730**	4" Drawer, 7 Comp.
TSS **AC725**	*TSS* **AC731**	4" Drawer, 12 Comp.

6 X 2 IN. ROLLER CABINET CASTER SET



- 6" x 2" roller bearing casters made of black polypropylene tread
- Swivel casters have lock brake that locks both wheel and swivel
- Fits most Homak Big Dawg & CTS line rolling cabinets

Item No.	Description	Capacity Ea. Lbs.	Bearing Type
TSS **AC710**	(2) Fixed, (2) Swivel	700	Roller
TSS **AC712**	(4) Swivel, (2) 10" Wheels w/Axle	700	Roller
TSS **AC711**	(1) Swivel	700	Roller



30 PC. TOOLHOLDER SET

Made of industrial grade, zinc-plated heavy steel. Lock onto panels.
TSS **AC741**

Contents

Qty.	Description
17	Assorted single hooks
4	Assorted double hooks
2	Assorted plier hooks
4	Assorted spring clips
1	Ring hook
1	Screwdriver unit and wrench rack

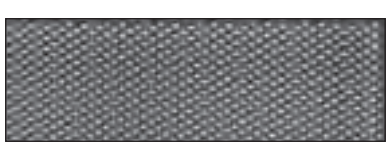
10 PC. TOOLHOLDER SET

Not Illustrated

Made of industrial grade, zinc-plated heavy steel. Lock onto panels.
TSS **AC740**

Contents

2 1" Single vertical hooks
2 2" Single vertical hooks
2 2 3/8" Single angle hooks
2 1" Double vertical hooks
2 2" Double vertical hooks



Tool boards sold separately.

HEAVY-DUTY CHEST/CABINET NON-SLIP TOP MAT & DRAWER LINER KITS

- Non-slip, open weave drawer liner keeps tools from shifting and sliding.
- Polyester fabric coated with PVC, 1/8" thick.
- Washable, mold and mildew resistant

Item No.	Description	Pieces Per Set
Cabinet Top Mats		
TSS **AC780**	Fits 27" Big Dawg Line (26 3/4" x 17 3/4")	—
TSS **AC781**	Fits 34" Big Dawg Line (33 3/4" x 19 3/4")	—
TSS **AC782**	Fits 60" Big Dawg & CTS Lines (41 3/4" x 19 3/4")	—
Drawer Liner Kits		
TSS **AC750**	Fits 27" Big Dawg Line (26 3/4" x 16 1/2")	6
TSS **AC751**	Fits 34" Big Dawg Line (33 3/4" x 19 3/4")	6
TSS **AC752**	Fits 60" Big Dawg & CTS Lines (59 3/4" x 23 3/4")	12

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2-DOOR UTILITY CABINET



- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction
- 4" x 1" swivel casters for easy mobility, 2 with wheel brake

Overall: ..... 26¾" W x 23" D x 64" H
Weight: ..... 93 lbs.
Metal Thickness: ..... 0.7mm for body & frame
0.8mm for shelves
Load Capacity: ..... 286 lbs. per frame
22 lbs. per shelf
Shelf Sizes: ..... (4) 26½" W x 16½" D x ¾" H
TSS **GS00765021**



3-DRAWER WOOD-TOP BENCH

- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction

Overall: ..... 78⅜" W x 23⅝" D x 42⅛" H
Weight: ..... 118 lbs.
Metal Thickness: ..... 0.8mm for body, 1.5mm for frame, & 1.0mm for drawer
Load Capacity: ..... 440 lbs. per frame / 45 lbs. per drawer
Drawer Sizes: ..... (3) 14¾" W x 18" D x 4½" H
TSS **GS00579030**

5 YEAR

6 PC. GARAGE STORAGE

- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction
- 4" x 1" swivel casters for easy mobility, 2 with wheel brake (only items that apply)

TSS **NA07006001**

2-DOOR WALL UNIT CABINET



- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction

Overall: ..... 26¾" W x 12" D x 26⅞" H
Weight: ..... 34 lbs.
Metal Thickness: ..... 0.7mm for body & frame / 0.8mm for shelves
Load Capacity: ..... 66 lbs. per frame / 22 lbs. per shelf
Shelf Sizes: ..... (2) 26½" W x 10½" D x ¾" H
TSS **GS00727021**

5-DRAWER ROLLER UNIT



- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction
- 4" x 1" swivel casters for easy mobility, 2 with wheel brake

Overall: ..... 26⅞" W x 18" D x 31" H
Weight: ..... 97 lbs.
Metal Thickness: ..... 1.0mm for body / 0.8mm for frame / 0.7mm for drawer
Load Capacity: ..... 286 lbs. per frame
40 lbs. per (3) draw., 44 lbs. per (2) drawer
Drawer Sizes: ..... (3) 22¼" W x 16⅜" D x 2⅛" H /
(2) 22¼" W x 16⅜" D x 5¼" H
TSS **GS04005270**

2-DOOR ROLLER UNIT



- Black vein powder-coat paint finish with grey doors
- HMC high security tubular locking system
- Heavy-duty steel construction
- 4" x 1" swivel casters for easy mobility, 2 with wheel brake

Overall: ..... 26⅞" W x 18" D x 31" H
Weight: ..... 68 lbs.
Metal Thickness: ..... 1mm for body & drawers / 0.8mm for frame
Load Capacity: ..... 165 lbs. per frame / 40 lbs. per drawer
Drawer: ..... (1) 26½" W x 10½" D x ¾" H
TSS **GS04002270**

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59 IN. GARAGE SERIES 3-DOOR WORKSTATION

Features & Benefits

- HMC High security tubular locking system
- 3.2 mil epoxy-polyester powder coat paint finish
- Manufactured with high quality 1.0mm cold steel
- Plastic handles in overhead, 3-door storage compartment
- 1½" Thick plywood work surface for durability
- Backsplash with pegboarded design offers additional hanging space
- Grated lower shelf stores heavy-duty items
- 5-Year limited warranty
- Metal Thickness 1.0mm for frame / 1.0mm for drawers

Specifications

Wood Thickness ..... 1½"

Overall Dimensions

Width: ..... 59¼"
Depth: ..... 30⅜"
Height: ..... 68½"
Piece Weight: ..... 182 lbs.
Shipping Weight: ..... 194 lbs.

Drawer Dimensions

Compartment: ..... 52¾" W x 11⅞" D x 16⅛" H, 110 lb. capacity
Single Door: ..... 19" W x 10¾" D x 16⅛" H, 55 lb. capacity
Double Door: ..... 33½" W x 10¾" D x 16⅛" H, 55 lb. capacity
Plywood: ..... 59¼" W x 28¾" D x 1½" H, 264 lb. capacity
Lower Shelf: ..... 57⅜" W x 30⅜" D x 25⅝" H, 110 lb. capacity

TSS **GS00659031**



4 PC. GARAGE SERIES CABINETRY SET

- All pieces conveniently packaged within tall locker cabinet
- Industrial-grade powder coated steel for durability
- High-quality, welded frame construction
- Order multiple sets for full garage storage
- HMC high security tubular locking system and keys
- Bamboo-top steel workbench with single drawer*

Specifications

1-Drawer Workbench*

Overall Size: ..... 52" W x 26" D x 36½" H
Capacity: ..... 600 lbs.
Piece Weight: ..... 77 lbs.
Bamboo Work Surface: ..... 52" W x 26" D x 1" H
Single Drawer: ..... 16¾" W x 14⅝" D x 2" H

2-Door Wall Cabinet

Overall: ..... 26" W x 12" D x 30" H
Capacity: ..... 100 lbs.
Piece Weight: ..... 28 lbs.
Storage Compartment: ..... 25⅞" W x 11⅞" D x 29⅞" H
Adjustable Shelf: ..... 25⅞" W x 11⅞" D x 1" H

2-Door Overhead Cab

Overall: ..... 26¼" W x 12" D x 15" H
Capacity: ..... 50 lbs.
Piece Weight: ..... 17 lbs.
Adjustable Shelf(1): ..... 25⅞" W x 11⅞" D x 1" H

2-Door Locker Cabinet

Overall: ..... 30" W x 18" D x 75¾" H
Capacity: ..... 250 lbs.
Piece Weight: ..... 28 lbs.
Adjustable Shelves (3): ..... 29⅞" W x 17" D x 1" H
Overall Shipping Weight: ..... 215 lbs.

TSS **GS00605204**

***Some assembly required**



3 PC. GARAGE SERIES CABINETRY SET

- Fully-welded design for quick, easy setup
- Industrial-grade steel, quality construction
- Order multiple sets for full garage storage

Specifications

2-Door Base Cabinet

Overall: ..... 26" W x 16" D x 33⅞" H
Capacity: ..... 880 lbs.
Piece Weight: ..... 60 lbs.
Top Drawer: ..... 21⅝" W x 14½" D x 7¾" H
Storage Compartment: ..... 25⅞" W x 14½" D x 18¾" H
Compartment Shelf: ..... 25⅞" W x 14½" D x 1" H
Bamboo Work Surface: ..... 26" W x 16" D x 1" H

2-Door Wall Cabinet

Overall: ..... 26" W x 12" D x 30" H
Capacity: ..... 220 lbs.
Piece Weight: ..... 28 lbs.
Storage Compartment: ..... 25⅞" W x 11⅞" D x 29⅞" H
Adjustable Shelf: ..... 25⅞" W x 11⅞" D x 1" H

2-Door Locker Cabinet

Overall: ..... 30" W x 18" D x 75¾" H
Capacity: ..... 880 lbs.
Piece Weight: ..... 86 lbs.
Adjustable Shelves(3): ..... 29⅞" W x 17" D x 1" H
Overall Shipping Weight: ..... 191 lbs.

TSS **GS07003002**



TSS **GW00550150**



TSS **GW00550170**



TSS **GW00550160**

59 IN. INDUSTRIAL STEEL WORKBENCH

- Manufactured with high quality steel
- Large surface for more work space
- Extended lip around surface of table
- Bottom shelf

Metal Thickness: ..... 2.0mm for top / 2.5mm for frame
Load Capacity: ..... 880 lbs.

Item No.	Width	Depth	Height	Weight
TSS **GW00550150**	59"	27½"	37"	110 lbs.

59 IN. INDUSTRIAL STEEL WORKBENCH W/2 DRAWERS

- Manufactured with high quality steel
- Large surface for more work space
- Roller glides in each drawer
- HMC high security tubular locking system
- Bottom shelf provides more storage

Metal Thickness: 2.0mm for top / 2.5mm for frame / 1.2mm for drawers
Load Capacity: ..... 1,320 lbs.
Drawer Sizes: ..... (2) 13¾" W x 16½" D x 5½" H

Item No.	Width	Depth	Height	Weight
TSS **GW00550170**	59"	25½"	34"	148 lbs.

79 IN. INDUSTRIAL STEEL WORKBENCH W/3 DRAWERS

- Manufactured with high quality steel
- Large surface for more work space
- Roller glides in each drawer
- HMC high security tubular locking system
- Bottom shelf provides more storage

Metal Thickness: 1.5mm for top / 1.2mm for frame / 1.0mm for drawers
Load Capacity: ..... 1,100 lbs.
Drawer Sizes: ..... (3) 13¾" W x 16½" D x 5½" H

Item No.	Width	Depth	Height	Weight
TSS **GW00550160**	78¾"	25½"	34"	191 lbs.





Items Not Included.



Items Not Included.



FIRST WATCH® LIBRARY BOOK SAFE

- Can be discretely stored on book shelves, desks, and tables
- Full-length piano hinge secures door to frame
- Individually packaged with full-color labeling
- HMC high security tubular locking system
- 1 Year limited warranty for peace of mind
- Safely stores and protects small valuables
- Book-shaped design deters thieves
- 0.6mm durable steel frame

Specifications

Item No.	Dimensions	Weight	Storage Capacity
TSS **HS10520802**	7⅝" W x 2½" D x 10½" H	2.5 lbs.	0.10 Cu.ft

FIRST WATCH® 6 IN. PERSONAL CASH BOX

- Easily secures pistols, documents, and other small valuables
- HMC high security tubular locking system
- 1 Year limited warranty for peace of mind
- Felt-lined interior protects stored items
- Mounting kit with hardware included
- Black powdercoat paint finish
- Full-length piano hinge
- 0.8mm steel thickness
- Full-color packaging

Item No.	Dimensions	Weight	Storage Capacity
TSS **HS10120806**	6¼" W x 3¼" D x 8" H	2.9 lbs.	0.04 Cu.ft



TSS **HS30103660**



TSS **HS30136028**
Items not included.



With Doors Closed

GUN SECURITY CABINETS

- Durable powder-coat paint finish
- HMC high security tubular locking system
- Can be mounted to a wall
- Full-length piano hinge
- Includes two plastic door organizer bins to store accessories
- Plastic barrel rest kit provided prevents scratching or damage to firearms

Item No.	Description
TSS **HS30103660**	8-Gun Security Cabinet; Exterior: 21" W x 10" D x 57" H. ; Storage Capacity of 6.02 cu. ft.
TSS **HS30136028**	8-Gun Double Door Security Cabinet; Exterior: 32" W x 10" D x 57" H. ; Storage Capacity of 9.19 cu. ft.

MAG-CLIP

MAG MOUNT™ POWER MAT™ SOCKET ORGANIZERS

A convertible and interchangeable way to organize and store sockets. Three-panel mat customizes any tool box. Can be used in drawers for socket organization or flipped to rubber side for storing a variety of other tools. Features 84 high-power magnets embedded in a flexible, high-impact poly-pro body. Can also be used with Power Pegs (sold separately) in any combination of three drive sizes (1/4-, 3/8- or 1/2-inch) to customize work area. Dimensions: 18 3/8" x 10 1/4".



BK **770-1230**



BK **770-1231**

BK **770-1230** Mag Mount™ Power Mat™ Socket Organizer
BK **770-1231** With 84 Assorted Power Pegs

MAG-CLIP

MAG-CLIP STRIP INTERCHANGEABLE-PEG MAGNETIC SOCKET HOLDERS

These Mag-Clip Strips come with 10 interchangeable/removable Power Pegs for additional flexibility when customizing a work space. Accommodate shallow, deep, standard and metric sockets, holding them securely on any smooth metal surface. Magnets retain strength permanently, but will not magnetize sockets. Tough polymer, rust-resistant base. Dimensions: 1 7/8" x 16 5/8".

Item	Description
BK **770-1232**	1/4" Dr.
BK **770-1233**	3/8" Dr.
BK **770-1234**	1/2" Dr.

MAG-CLIP

MAG-CLIP STRIP MAGNETIC SOCKET HOLDERS

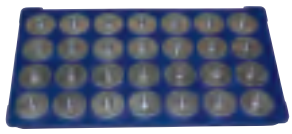
Magnetic strips hold sockets tight and accommodate shallow, deep, standard or metric sockets. Magnets retain strength permanently, but will not magnetize sockets. Can be hung or mounted to any smooth metal surface. Tough, polymer base is resistant to grease, oil, rust and chemicals.

Item	Description
BK **770-1235**	1/4" Dr. (2 1/4" x 9")
BK **770-1236**	3/8" Dr. (2" x 15 5/8")
BK **770-1237**	1/2" Dr. (1 7/8" x 16 5/8")

MAG-CLIP

MAG-CLIP SOCKET CADDY ORGANIZERS

High-impact plastic, magnetic grid comes with 28 interchangeable Power Pegs (additional pegs can be purchased separately in any combination of three drive sizes) for customizing work space. Accommodate shallow, deep, standard or metric sockets without magnetizing them. Magnets retain strength permanently. Resistant to grease, oil, rust and chemicals. Dimensions: 6 1/8" x 10 1/4".





Item	Description
BK **770-1246**	1/4" Dr.
BK **770-1244**	3/8" Dr.
BK **770-1242**	1/2" Dr.

MAG-CLIP

MAG-CLIP POWER PEG SETS

Interchangeable steel posts are available in 1/4-, 3/8- or 1/2-inch drive sizes. Can be used with Mag Mount™ Power Mat™ (*BK* **770-1230**), Mag Socket Caddies (*BK* **770-1246**/*BK* **770-1244**/*BK* **770-1242**) or Mag-Clip Strips (*BK* **770-1232** through *BK* **770-1237**) to create the ultimate storage system. Quantity: Pack/10.



Item	Description
BK **770-1249**	1/4" Dr.
BK **770-1248**	3/8" Dr.
BK **770-1247**	1/2" Dr.

LOCK-A-SOCKET™ MAGNETIC SOCKET ORGANIZERS



Equipped with a high-energy magnetic strip for easy mounting on most metal surfaces.

Item	Description
BK **825-1787**	1/4" Dr., 14" Rail, Holds 13 sockets
BK **819-3008**	3/8" Dr., 18" Rail, Holds 14 sockets
BK **819-3009**	1/2" Dr., 22" Rail, Holds 16 sockets

LOCK-A-SOCKET™ SOCKET ORGANIZERS



Lock-a-Socket™ socket organizer is our most versatile product yet. Holds 12 sockets per rail.

Item	Description
BK **825-1788**	Accommodates 1/4" Dr. Sockets
BK **825-1789**	Accommodates 3/8" Dr. Sockets
BK **825-1790**	Accommodates 1/2" Dr. Sockets

CARLYLE NAPA



SOCKET STORAGE RAILS

Polypropylene plastic storage rails for sockets and bit sockets. For use with Socket Rail Clips (shown below).

Item No.	Length	Rail Drive Sizes	Color	Type
CHT **SR8B**	8"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR8R**	8"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR8G**	8"	1/4", 3/8", 1/2"	Green	Star
CHT **SR12B**	12"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR12R**	12"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR12G**	12"	1/4", 3/8", 1/2"	Green	Star
CHT **SR15B**	15"	1/4", 3/8", 1/2"	Blue	Metric
CHT **SR15R**	15"	1/4", 3/8", 1/2"	Red	SAE
CHT **SR15G**	15"	1/4", 3/8", 1/2"	Green	Star

CARLYLE NAPA

SOCKET RAIL CLIPS

For use with Socket Rails (shown above).



Part No.	Description	Qty.
CHT **SR14RC**	1/4" Dr. Clips	25
CHT **SR38RC**	3/8" Dr. Clips	25
CHT **SR12RC**	1/2" Dr. Clips	25



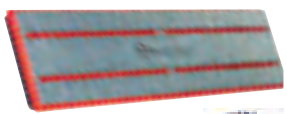
SER **2533**

SOCKET HOLDER RAIL SET

Rails neatly store 1/4", 3/8" & 1/2" square drive sockets, each all-steel rail holds 16 sockets on movable clips & mounts on wall or in toolbox, also available individually.

Item	Description
SER **2533**	Socket Holder Rail Complete Set of 3
SER **2530**	1/4" Individual Socket Rail
SER **2531**	3/8" Individual Socket Rail
SER **2532**	1/2" Individual Socket Rail

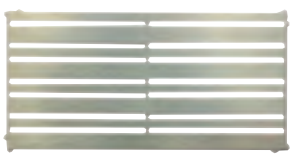
MAGNETIC TOOL HOLDER



High energy holding power, efficient space use, magnetic backing. Gives ease to relocate, holds most popular tools, screwdrivers, wrenches, bits, etc. Color: Red. Width: 2".

BK **770-2925** 10" L.
BK **825-1792** 12" L.

MAGNETIC TOOL HOLDER - PANEL



High energy holding power will holds ferrous metal tools. Efficient space use, magnetic backing gives ease to relocate. Holds most popular tools, screwdrivers, wrenches, bits, etc.

Item	Description
BK **825-5113**	6" x 12"
BK **825-5112**	12" x 6"
BK **827-2549**	12" x 12"

WRENCH HOLDER - VERTICAL



This 10-piece wrench holder can be hung on the side of a work tray for easy to organize wrenches, magnetic backing. Accommodates SAE 3/8"-15/16" and/or Metric 10mm-19mm wrenches.
Wrench Holder Dimensions 9 1/4" L x 2.0" W x 1 7/8" D

BK **825-1791**



WRENCH RACK

Tidy up your work space with the Carlyle Tools wrench rack. Holds up to 15 wrenches. Color: black.
NOTE: Tools NOT Included.

CHT **WR15**

EVERCRAFT

ROUND MAGNETIC PARTS TRAY



Stainless steel tray features heavy-duty permanent magnet and rubber scratch guard. Fully magnetized tray holds nuts, bolts, screws, etc., Can be used horizontally, vertically or upside down! Diameter: 6".

BK **776-8000**

EVERCRAFT

RECTANGULAR MAGNETIC PARTS TRAYS



Stainless steel trays feature heavy-duty permanent magnet with rubber scratch guard. Fully Magnetized Tray Holds Nuts, Bolts, Screws, etc .Can be used horizontally, vertically or upside down.

BK **776-8002** Blue, 9 3/8" L. x 5 3/8" W.
BK **776-8001** Stainless Steel, 9 3/8" L x 5 1/4" W

EVERCRAFT

JUMBO MAGNETIC PARTS TRAYS



Fully magnetized, stainless steel tray holds bolts, nuts, screws, etc. Features four heavy-duty magnets (will not scratch metal) with built-in handles. Dimensions: 11 1/2" x 10 3/4".

BK **776-8004** Blue
BK **776-8003** Stainless Steel

DIAGNOSTICS

Circuit Testers 348-352
Code Readers 331-336
Compression Testers 355-356
Electronic Analyzers 322-323
Fleet Service Diagnostics 332-333
Inspection Camera 354
Leak Detection 338-339
Memory Savers 348
Multimeters & Accessories 340-347
Non-Contact Thermometers 354-355
Relay & Spark Testers 353-354
Scan Diagnostics 322-334
Smoke Machines & Accessories 337-338
Tachometers 340
Timing Lights 340

TECH 2 PRO OPTIMA

The Tech 2 Optima has been an essential tool in dealerships worldwide since 1997. Now you can put the same dealer software in your shop. When your business depends on maximum productivity, don't settle for anything less. With additional OEM purchased software, the Tech 2 can be used to diagnose Isuzu, Saab, and Suzuki vehicles. Contact the OEM dealer for software purchase details.

Essential Features

- Authentic General Motors software coverage from model year 1992 to current
- Covers all powertrain, chassis, and body systems
- Enhanced diagnostics on GMLAN (CAN) vehicles with optional CANdi module
- Patented bi-directional control testing



BSD **F00E900977**

MASTERTECH VCI

With its innovative and forward thinking design, the Bosch Mastertech VCI provides unmatched functionality for automotive electronic systems diagnostics. The design incorporates a Diagnostic Server for effective and fast operation, and it meets both J2534 and ISO 29000 industry standards.

- The multifunction Bosch Mastertech VCI provides validated J2534 Flashing, Authentic OEM Dealer Level Diagnostics*, Aftermarket Diagnostic Software, and a high-speed Ford cylinder contribution test.
- With Validated J2534 Flashing, the Mastertech VCI covers GM, Ford, Chrysler, Honda, Nissan, Mazda, Mitsubishi, Saab, BMW, and more to come in the future.
- For Authentic OEM Dealer Level Diagnostics, the Bosch VCI is compatible with BMW ISTA, Saab Diagnostics, GM Tech2Win, GM GDS 2, and more to come in the future.
- Aftermarket diagnostic software for Domestic, Asian and European vehicles is available.**
- The Bosch Mastertech VCI provides an enhanced High Speed Ford Cylinder Contribution Test. The Cylinder Contribution test enables technicians to quickly diagnose cylinder performance problems on Ford CAN vehicles***.

*** Authentic OEM Dealer Level Diagnostic software is purchased separately from the Vehicle OEM websites.**

**** Software purchased separately. Go to http://www.boschdiagnostics.com/dsoftware/2213778_ESItronic2013-1AppGD_0313.pdf to view the Software Application Guide for specific coverage information.**

***** The Ford Cylinder Contribution Test application is available here: http://www.boschdiagnostics.com/software/diagnosticssoftware/pages/software.aspx?type=underhood. The Mastertech VCI is required to run the application.**

MASTERTECH VCI KIT

Includes the base Mastertech VCI, Wifi wireless dongle, DLC cable, AC power supply, and USB cable.



BSD **F00E901631**

MASTERTECH VCI DIAGNOSTIC SOFTWARE

The Bosch Mastertech VCI aftermarket diagnostic software includes the final release of Shop Foremen Pro and ESI 2.0. The 2013 final release software is a one-time purchase license (no future updates).



BSD **F00E901632**

BOSCH
Invented for life

MTS 5200 ENGINE ANALYZER BASE KIT

One Hand-Held Solution for Complete Engine Analysis

This unit provides a high speed 4 channel digital storage oscilloscope along with a graphing DVOM. Circuit performance testing is made easy through an intuitive, full color, touch screen user interface. Technicians are able to quickly locate circuit performance problems, included high speed intermittents or glitches.

- Start with the base kit, which includes the 4-channel oscilloscope and a graphing multimeter.
- Next, add the ignition upgrade package and get primary and secondary ignition support.
- Then, add the vacuum, pressure and failed cylinder test package and get a full complement of mechanical tests.

4 Tools in 1

- 4-Channel Oscilloscope
- Graphing Multimeter / DVOM
- Ignition Analyzer
- Engine Analyzer



BSD **F00K108032**

MTS 5200 ENGINE ANALYZER TECHNICIAN EFFICIENCY PACKAGE

The most powerful handheld engine analyzer in the market today. Simple for first-time users and capable of handling the most complex diagnostic scenarios. Easy Coil On Plug diagnosis, displays waveform in 3 easy steps. Includes the MTS 5200 Engine Analyzer, ignition flex probe, ignition loop probe, inductive trigger probe, inductive low amp probe vacuum transducer and engine analyzer software.



BSD **F00K108583**

MTS 5200 ENGINE ANALYZER TECHNICIAN EFFICENCY PRO PACKAGE WITH AMP PROBES

Package includes all of the advantages of the Efficiency Package, plus the inductive high current probe and pressure transducer



BSD **F00K108584**

MTS 5200 ENGINE ANALYZER IGNITION UPGRADE KIT

This hardware and probe kit combined with the MTS 5200's ignition system software enables technicians to quickly isolate ignition circuit problems on EI, DI, and COP systems, while also providing insight into the vehicle's mechanical, fuel, and pneumatic (vacuum) systems.



BSD **01002884**



SMT 300 SMOKE MACHINE TESTER

- Easy to operate leak tester that uses UltraTraceUV® dye solution
- Finds leaks in any low pressure closed system, as well as wind and water leaks that enter the vehicle's passenger or trunk compartment
- OEM approved technology
- Meets SAE standards for safe EVAP testing
- Highly portable
- Variety of accessories with carrying case

BSD **F00E900291**

MMD 540H HYBRID MULTIMETER

The Bosch MMD 540H Hybrid Multimeter is a CAT III safety rated, auto ranging digital multimeter designed for automotive diagnostics and electrical troubleshooting. Whether your shop services automotive, fleet, motorcycle, marine or small engine, the MMD 540H has the capability to keep up with your business. When working on hybrid vehicles, you now have a single meter that can do it all.



BSD **F00E900101**

FSA 050 HYBRID TESTER WITH INSULATION TESTS

- Insulation testing rang up to 50 to 1000V and 10 to 200 GigaOhm.
- Cat III (1000V/CAT IV (600V) applications.
- Additional multimeter functions include: voltage, resistance, capacitance and continuity testing
- TRMS and DC voltage measurement
- Combined analog and dual-digital display
- Heavy-duty tester includes CAT III/CAT leads and storage case.



BSD **0684010050**

ESI TRUCK TRAILER ADAPTER

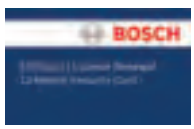
- 7-pin PLC adapter for trailer ABS diagnostics
- J2497 Power Line Carrier (PLC) communication compatible
- Allows direct connection to trailer- Works with tractor present or without the tractor present (External power supply is necessary without tractor)
- Bosch ESI[truck] trailer ABS coverage for Bendix, Haldex, Meritor Wabco and Wabash systems



BSD **3824-06**

ESI TRUCK LICENSE RENEWAL

12-Month security card.



BSD **3824-08**

BOSCH
Invented for life



BSD **3824BSC**



BSD **3824**

ESI [TRUCK] HEAVY-DUTY DIAGNOSTICS KIT

Diagnostic scan tool for heavy-duty trucks. Used to diagnose vehicle, engine, transmission and brake problems. Allows user to access fault codes and engine parameters. Provides special test capability and parameter re-sets through expert mode.

Increase Shop Efficiency with the Bosch ESI[Truck] 3824

- Code to fix at the truck - trouble shooting information integrated right on the tool
- Tech stays at the vehicle
- Repair info at the truck, including writing diagrams, component pictures and locations, test procedures and descriptions, and DTC look-up
- Automatic vehicle ID
- Single, intuitive user interface works on all trucks with a common scan tool

Functions Mechanics Need

- Read and clear fault codes
- Cylinder cut-out
- Cylinder compression/balance
- Injector actuations
- Key component actuations
- Key system tests

Best Aftermarket Coverage

- Truck brands
- Engine brands
- Brake systems
- Transmissions
- Trailer ABS
- In-Depth heavy-duty and medium-duty
- Light-duty basic

Item No.	Description
BSD **3824BSC**	Includes RP1210 data link adapter, 6-, 9- and 16-pin connectors, ESI truck diagnostics software. **NOTE: Tablet not included with *BSD* 3824BSC kit.**
BSD **3824**	Includes Ruggedized 10" Tablet, RP1210 data link adapter, 6-, 9- and 16-pin connectors, ESI truck diagnostics software and External DVD drive
BSD **3824-08**	ESI Truck 2016 Software Update



GENISYS TOUCH™ DELUXE KIT



The Genisys Touch™ performs critical scan and reprogramming diagnostics for automobiles and light-duty trucks, featuring a 10.1", high-resolution, touch-screen display and built-in WiFi. Coverage includes all makes for domestic, Asian and European vehicles. AutoFix detection automatically detects on-tool or web-based repair information to find the fix faster and get repairs started. Vehicle AutoID automatically identifies CAN vehicles in one click. Videos hosted in many diagnostic sessions show how to perform test procedure or function in one minute or less. Code-Assist and Repair-Trac find the top reported fixes and direct hit online repair site.

Contents

- Genisys Touch™ Handset
- J-2534-1/-2 Compliant Vehicle Communications Adapter (VCI)**
- 10 OEM Adapters for Ford, BMW, Mercedes, Chrysler, Toyota, Mazda, Mitsubishi, Nissan, and Kia
- 12-Volt Power Cable
- AC Power Supply
- Pull-Apart Storage Case

***** Separate PC required for J2534 reprogramming***

BK **700-6122**

GENISYS™ TOUCH™ DOMESTIC, ASIAN AND EUROPEAN SOFTWARE 12 MONTH SUBSCRIPTION



Ensure that your tool has the most up to date software and repair information. Subscription provides a year of frequent and valuable updates for new coverage, enhancements, repairs and application improvements. Includes repair information for PC Scope, Domestic, Asian and European software.

BK **700-6123**



GENISYS™ TOUCH™ MASTER CART KIT



OE-level diagnostics on 4 wheels! Professional storage to keep your investment safe and sound.

NAPA® EXCLUSIVE

Includes

- Genisys Touch™ System (*BK* **700-6122**)
- 4-Drawer Technician's Cart
- Cart features roller bearing slides, two gas-piston lid supports, and over-molded corner bumpers
- Ultra high-density drawer inserts, custom laser-cut to accommodate Touch™ components
- Genisys™ Bluetooth TPM reset tool
- OTC™ 550 Series Automotive Multimeter

BK **899-2342**

PRESENTING OTC ENCORE™

The first integrated diagnostics tablet powered by Android that kicks on in 15 seconds, boasts 30 years of coverage, includes an onboard battery - all at a technician's price point. Merge your diagnostics with your mobile life.



NO OTHER SCAN TOOL COMPARES

SCAN
IDENTIFY
FIX

:15

Google play

1 Touch AutoID™
Automatically detects CAN vehicles 2005 or newer to quickly set up year, make model and engine — all in one tap.

1 Touch DTCs
Tap to get codes with access to millions of confirmed experience-based fixes.

Onboard Battery
Technicians asked. OTC listened. Avoid reentering the vehicle ID and losing data when you cycle the key.

Fast Touch Home Page
Custom browser home page with access to popular technician forums right from Encore.

Embedded Training Videos
More than 70 videos show how to perform test procedures or functions in one minute or less.

OTC NAPA TOOLS & EQUIPMENT

OTC ENCORE™

The Encore doesn't stray from its roots as an OTC® diagnostics tool. OTC® took the strengths of our diagnostics programs and merged them with the Android system to provide not only a tool—but a tablet—that understands the technician's mobile life.

- Alert technicians to on-tool or web-based repair information including Identifix® Direct-Hit™
- Full scan functionality, including OEM Domestic, Asian and European, bi-directional controls and enhanced data
- Perform a Google search right within a diagnostic session
- 30 million experience-based repair solutions! No other tool has embedded Identifix® assets available during every type of repair, including Code-Assist™, Symptom-Assist™ and Repair-Trac™.
- One Touch AutoID™ - Automatically detects CAN vehicles 2005 or newer to quickly set up year, make, model and engine — all in one tap.
- One Touch DTCs - Tap to get codes with access to millions of confirmed experience-based fixes.
- Google Play - With Google Play™, Encore can be the diagnostics solution at work, and allow you to download apps, music and more for a personalized experience.
- Onboard Battery - Technicians asked. OTC listened. Avoid reentering the vehicle ID and losing data when you cycle the key.
- Embedded Training Videos - More than 70 videos show how to perform test procedures or functions in one minute or less.
- Fast Touch Home Page - Custom browser home page with access to popular technician forums right from Encore.
- Direct Hit™ - 60-day free trial of Direct Hit™
- 7-inch capacitive touch screen- swipe, pinch, & zoom the way you've grown accustomed to on your smart phone and personal tablet
- Fast Boot Up - in less than 15 seconds.
- Built-in WiFi- allows a technician to scan a vehicle while browsing popular online forums to research trouble codes, easily accessible via OTC's Fast Touch home page.
- Built-in Bluetooth - Pair-up with the optional PC-based 2-Channel Tech-Scope or TPR Tool



Scan Functionality	Genisys EVO™	Encore™	Genisys Touch™
OEM Domestic, Asian and European Bidirectional Controls	•	•	•
OEM Domestic, Asian and European OBD II Enhanced	•	•	•
OEM Domestic, Asian and European OBD I	•	•	•
All 10 Modes of OBD II	•	•	•
Heavy Duty Standard Coverage	Option	Option	Option
Multiple Language Support	•	•	•
Internet Upgradeable	PC Required	•	•
J2534 All Makes Reprogramming			•
Vehicle Diagnostic Software Information			
Scan and Scope Troubleshooting Repair Information	•	•	•
Repair-Trac and Code-Assist DTC VIN Specific Tech Tips	•	•	•
Symptom-Assist Specific Tech Tips		•	•
Identifix Direct-Hit Web-based Info		•	•
AutoDetect™		•	•
Auto ID™		•	•
Embedded Training Videos		•	•
Hardware			
Battery Power	•	•	•
WiFi Wireless		•	•
Bluetooth Long Range Wireless	TPR Tool Wireless	•	•
Headphone Jack		•	•
High Resolution Touch Screen Display		7" Capacitive	10"
Resistive			
VGA Video Out	•		•
Stereo Speakers			•
Wireless to the car VCI			•
Diagnostic Accessories			
High Speed Scope	Option		Option
Bluetooth Wireless TPMS			
Sensor Reprogramming	Option		Option
5-Gas Analyzer	Option		
Software			
Operating System	Lynx	Android	Windows 7
Internet Browser		•	•



BK **700-2614**



BK **700-6125**

OTC ENCORE™ DELUXE KIT

BK **700-6125** Kit includes OBD2 cable, USB cable, Power adapter, and hard carrying case

**** 60-Day free trial of Direct Hit™***

OTC ENCORE™ MASTER KIT

BK **700-6124** Kit includes OBD2 cable, all required OEM adapters from 2012-1996, Ford, BMW, Mercedes, Chrysler, Toyota, Mazda, Mitsubishi, Nissan & Kia, USB cable, Power adapter, and hard carrying case

**** 60-Day free trial of Direct Hit™***

OTC ENCORE™, ASIAN AND EUROPEAN SOFTWARE ONE-YEAR SUBSCRIPTION KIT

Provides frequent and valuable updates for new coverage, coverage enhancements, repair information and application improvements.

BK **700-2614**

Google play OTC NAPA TOOLS & EQUIPMENT 7" :15

GENISYS™ EVO™ HARDWARE KITS

All Genisys EVO™ Kits feature the System 5.0 with Code-Assist™ experienced-based Confirmed Fixes™ from Identifix®, USA Domestic /Asian with ABS and European software including Pathfinder, Repair-Trac®, Fast fixes™ information, InfoTech Component Information software, Automated System Test™, manuals and carrying case. FREE! New 2013 Domestic/Asian and 2012 European expected release approximately January 1, 2014. Download the software and unlock code immediately when available - no waiting for a package to arrive!



GENISYS™ EVO™ ODB2 KIT

BK **700-2274**



GENISYS™ EVO™ POWER PACK WITH TIRE PRESSURE RESET TOOL, EZ-SENSOR™ & H.D. STARTER KIT

BK **700-2276**



GENISYS™ EVO™ DELUXE KIT WITH TIRE PRESSURE RESET TOOL

BK **700-2275**



GENISYS™ EVO™ DELUXE KIT WITH TIRE PRESSURE RESET TOOL, EZ-SENSOR™, 2 YEAR SOFTWARE & LEAK TAMER™

BK **700-2277**

Features

Kits	*BK* 700-2274	*BK* 700-2275	*BK* 700-2276	*BK* 700-2277
Domestic 2013 Software	•	•	•	•
Asian 2013 Software	•	•	•	•
SYSTEM 5.0	•	•	•	•
Euro 2010 Software	•	•	•	•
OBD2 Smart Cable Kit	•	•	•	•
OBD1 Domestic Cable Kit	—	•	•	•
ABS Cable Kit	—	•	•	•
TPR TPMS Tool	—	•	•	•
EZ Sensor Kit for use with TPR	—	—	•	•
Heavy Duty SW and Cables	—	—	•	—
Domestic 2012 Software*	—	—	—	•
Domestic 2013 Software*	—	—	—	•
Asian 2012 Software*	—	—	—	•
Asian 2013 Software*	—	—	—	•
Euro 2012 Software*	—	—	—	•
Euro 2013 Software*	—	—	—	•
EVAP Smoke Machine	—	—	—	•

OTC



GENISYS™ EVO 2014 SOFTWARE SYSTEM 5.0 WITH 4 GB MEMORY CARD EXPANSION KIT

Memory card is pre-loaded with 2013 Genisys application software for your convenience. New applications not already authorized require a separate purchase. Kit includes system 5.0 software and a pre-loaded high-speed commercial-grade 4 GB memory card for fast installations. Contents: (1) CD and (1) Memory Card.

BK **700-3927**



GENISYS™ EVO 2014 SUPER SOFTWARE SUPER BUNDLE FOR DOMESTIC/ASIAN/ EUROPEAN AND SYSTEM 5.0

Powerful kit maximizes technician productivity with the four most popular Genisys options at a value price. Includes USA 2013 Domestic / Asian with ABS, European 2012 with code assist and repair trac experienced-based confirmed fixes from identifix. Also included is the system 5.0 software with a pre-loaded high-speed commercial grade 4 GB memory card for fast installation. Contents: (1) CD, (2) Smart Cards and (1) Memory Card.

BK **700-3925**



GENISYS™ EVO 2014 SOFTWARE LOYALTY KIT FOR DOMESTIC/ ASIAN/2013 EURO 5.0

This powerful kit recognizes loyal Genisys customers that have system 4.0 or newer software. This kit includes the most vehicle coverage ever released at a value price. Includes USA 2013 Domestic / Asian with ABS, European 2012 with code assist and repair trac experienced-based confirmed fixes from identifix. Contents: (1) CD and (2) Smart Cards.

BK **700-3926**

GENISYS™ HEAVY-DUTY STARTER KIT

Add Class 4-8 truck coverage to your Genisys™ with HD J1587/J1708 and J1939 CAN engine, transmission/ABS coverage and more! View and clear codes, view vehicle data such as:

- Engine speeds
- Engine ECU temperature
- Engine intercooler temperature
- Percent accelerator pedal position
- Engine coolant temperature
- Battery volts
- Alternator volts
- Air inlet temperature



Contents

Nine-Pin Deutsch Cable, 6-Pin Deutsch Cable, Heavy-Duty System Smart Insert, Smart Card and PC Software CD.

NOTE: Minimum System 3.0 1GB Memory Upgrade required for full function.

BK **700-3118**



GENISYS™ TIRE PRESSURE MONITORING SYSTEM RESET TOOL MASTER KIT

Works on all known TPMS sensors through 2009. Features a bright graphics display and simple navigation buttons, enabling vehicle selection for fast activation. Automatically adjusts output power to eliminate cross-activation of sensors. Easily updated with a wireless connection to Genisys scan tool. Master kit includes handheld TPR, DB25 wireless adapter, activation magnet, valve stem and nut torque wrenches, digital tire pressure gauge, 12mm socket, torque tool, registration card, TPR/ Genisys interface manual, TPMS poster and carry case.

BK **700-6111**



GENISYS™ TIRE PRESSURE MONITORING SYSTEM RESET TOOL

Works on all known TPMS sensors through 2009. Features a bright graphics display and simple navigation buttons, enabling vehicle selection for fast activation. Automatically adjusts output power to eliminate cross-activation of sensors. Easily updated with a wireless connection to Genisys scan tool. Includes handheld TPR, DB25 wireless adapter, registration card, TPR/Genisys interface manual and carry case.

BK **700-6110**



GENISYS™ TIRE PRESSURE MONITORING SYSTEM RESET TOOL WITH EZ-SENSOR™ PROGRAMMING

EZ-sensor™ PROGRAMMABLE TPMS is the first Programmable Tire Pressure Monitoring Sensor which has been designed with the goal of replacing 90% of the TPMS sensors currently stocked by the dealer.

- Fast simple programming using OTC TPR Tool
- Eliminates the need to perform relearn procedures when replacing sensors
- No scan tool required for programming
- Will replace over 90% of current TPMS sensors
- Save money & fit the right part
- Fast simple assembly to the wheel rim

Kit includes TPR Handheld, DB25 wireless adapter, EZ-sensor™ programming cradle, EZ-sensor™ User guide, Quick Start Guide, USB cable, EZ-sensor™ Application chart, EZ-sensor™ Training Video, Software Activation Certificate and six months of updates at www.tpmsupdates.com.

BK **700-2265**

OTC

GENISYS™ EZ-SENSOR™ UPDATE KIT



The first Programmable Tire Pressure Monitoring Sensor which has been designed with the goal of replacing 90% of the TPMS sensors currently stocked by the dealer.

- Fast simple programming using OTC TPR Tool
- Eliminates the need to perform relearn procedures when replacing sensors
- No scan tool required for programming
- Will replace over 90% of current TPMS sensors
- Save money & fit the right part
- Fast simple assembly to the wheel rim

Includes EZ-sensor™ programming cradle, EZ-sensor™ User guide, Quick Start Guide, USB cable, EZ-sensor™ Application chart, EZ-sensor™ Training Video, Software Activation Certificate, Six months of updates at www.tpmsupdates.com.

Note: For existing TPR owners.

BK **700-2266**



GENISYS™ PERFORMANCE 5-GAS MODULE

The Genisys™ emissions repair solution. Kit includes the plug-in Performance 5-gas Analyzer Module, hose, probe, Gas M-P software, regulator, filters, manual, and carrying case.

NOTE: Minimum System 3.0 or newer 1GB card required to install.

BK **700-3116**

GENISYS™ USA DOMESTIC OEM CABLE KIT

Add OBD1 cables to new Genisys™ Pro-OBD2 kit (see *BK* **700-4115**). Includes USA Domestic: GM/Ford/Chrysler/ Jeep/ Saturn coverage.

BK **700-2798**



GENISYS™ OBD2 SMART CABLE

Combined power of over 50 Smart System inserts and provides automatic all-modules testing without the need to switch inserts.

NOTE: Operation requires domestic/ Asian 2006 or newer software.

BK **700-2784**



GENISYS™ 9.6 VOLT REPLACEMENT BATTERY



OEM replacement battery for Genisys™ scan tools.

BK **700-4121**



2011 TIRE PRESSURE MONITORING MASTER KIT

Features vehicle coverage through model year 2010. Includes special TPMS sensor tools and sales material, as well as a free electronic torque wrench with 11 and 12mm sockets. Kit contains TPM tool with software subscription, activation magnet, update cable, digital tire pressure gauge, four-way valve tool, valve core torque driver, six nM Hi rechargeable batteries with recharging station, backup software CD, training video CD, laminated application flip-chart, quick-start guide, service procedure flowchart poster, reset procedure manuals, consumer poster, and blow-molded storage case.

BK **700-6118**



TWO-CHANNEL LAB SCOPE

Vehicle-specific database contains information for most 2006-85 domestic (and many import) vehicles. Preset tests allow technician to check the majority of automotive sensors, actuators and systems quickly, and recommends the appropriate test procedure. Built-in reference information for each test includes procedure, normal reference signal pattern, theory of operation and troubleshooting. Diagrams showing pin numbers and wire colors for both the PCM and component connector are visible on-screen. Features true RMS GMM (Graphing Multi-Meter) measurements and graphs. Offers real-time comparison between actual and reference waveforms on same screen when component testing. Secondary ignition single function displays waveform, along with spark voltage, RPM, burn time and burn voltage. Glitch Snare feature captures, displays and saves abnormal signal patterns in Scope mode for component testing. Powerful help menu provides answers fast and 25 mega-sample per second (one channel minimum) sample rate enables rapid data updates. USB supports fast updates of codes and data via the Internet. Diesel function allows technician to set injection pump timing and RPM with optional diesel accessories. Durable, over-molded case disperses shock over more area than a conventional rubber boot design. CE-certified with a One-Year Warranty.

BK **700-3768**



MULTI-MEDIA INTERFACE TESTER (MIT)

Verify Aux jack, USB connection and Bluetooth connectivity with the OTC Multimedia Interface Tester (MIT). Will pair via Bluetooth, Auxiliary or USB to vehicle to diagnose connectivity issues. Verify and diagnose customer complaints when connecting with infotainment systems. Provides a clean signal for accurate and reliable diagnostics. Includes a storage case that will accommodate the MIT and related adapters, etc. Works on Ford, GM and Hyundai vehicles.

BK **700-2615**



OTC® HEAVY-DUTY SCAN TOOL KIT

Powered by Genisys™ technology, this heavy-duty scan system is tailor-made for heavy-duty shops that need a second tool for mobile repair trucks. Also ideal for traditional shops needing a cost-effective solution for heavy-duty standard coverage, but do not yet own a Genisys™ scan tool.

Features

- Read & clear diagnostic trouble codes
- Class 4-8 truck coverage w/Automatic Protocol Search
- HD J1587/J1708/J1939 CAN, engine, transmission & ABS coverage
- Global OBD2 (all nine modes)
- Live vehicle data, such as: engine speed & ECU temperature, percent acceleration pedal position, engine coolant/intercooler temperatures, battery volts, alternator volts & ambient air/air inlet temperatures
- English/French/Spanish support
- Battery powered for off-vehicle use
- ScanMate Windows® PC software
- Three-year Warranty

Contents

H.D. Scan Tool, six- and nine-pin Deutsch cables, OBD2 and USB cables, ScanMate™ software, operation manual and storage case.

BK **700-2551**



OTC® HEAVY-DUTY READER

Built for the technician who needs a convenient toolbox tool to read and clear heavy-duty trouble codes. Also great for shops that need a second tool for mobile repair trucks. A low-cost solution for shops that need HD standard coverage, but do not own a Genisys™ or other family tool.

Features

- Class 4-8 truck coverage
- HD J1587/J1708 and J1939 CAN, engine, transmission/ABS coverage, and more for diagnostic trouble codes!
- Reads and clears diagnostic trouble codes
- Provides on-screen DTC definitions for heavy-duty standard codes
- Battery-powered for off-vehicle use
- Internet update capability

Applications

Tow trucks, recreational vehicles, cement trucks, dump trucks, garbage trucks, buses, step vans, municipal vehicles, refrigerated trucks, and conventional trucks. Don't forget heavy-duty standard compliant construction, marine, agriculture, and other industrial diesel power plant configurations!

Contents

HD Reader Tool, 9-Pin Deutsch Cable, Six-Pin Deutsch Cable, USB Cable, Operations Manual and Soft Nylon Carrying Case.

BK **700-2552**



MAXISYS PRO VEHICLE DIAGNOSTICS

Designed to be the go-to-tool for the professional technician who performs J-2534 reprogramming on a regular basis. Utilizes an ultra-powerful A9 quad-core 1.40 Ghz processor that offers a 50% increase in speed versus competition. Features 9.7" LED screen with a 1,024 x 768 resolution, capacitive touch screen, 32 GB solid-state hard drive, revolutionary multi-tasking Android operating system and comprehensive OE-level vehicle coverage. Comes with all of the necessary adapters for 1996 & newer vehicles, software for Domestic, Asian & European vehicles (J-2534 manufacturer updates sold separately) and cables needed to get the job done, as well as one year of free updates. Includes J-2534 reprogramming box and special MaxiSYS Pro software needed for shops and technicians who demand a comprehensive diagnostic system capable of completing even the most complicated and demanding tasks.

BK **700-2586**



AUTEL

MAXISYS AUTOMOTIVE DIAGNOSTIC AND INFORMATION SYSTEM WITH VCI

Built to offer extreme ease of use and powerful diagnostic performance. Major upgrade has been the addition of an ultra-powerful A9 quad-core processor that delivers a 50% increase in speed versus competing products. Crystal clear 9.7" LED screen with a high-resolution capacitive screen. Industry standard's first multi-tasking Android Operating System and comprehensive OE level vehicle coverage that Autel has become known for. The perfect diagnostic solution for shops and technicians who demand unrivalled smart technology and repairs. Comes with a wireless vehicle communication interface (VCI), all necessary adapters for 1996 and newer vehicles. Includes software for Domestic, Asian and European vehicles, and cables needed to get the job done, as well as a year of updates and case.

BK **700-2582**



AUTEL OBD 2

MAXISYS MINI AUTOMOTIVE DIAGNOSTIC AND INFORMATION SYSTEM WITH VCI

Revolutionary, ultra-mobile solution for automotive diagnostics. Comes with a powerful A9 quad-core processor and comprehensive OE level vehicle coverage. Multi-tasking Android Operating system is capable of coding, adaptations, actuations and more. Weighing in at only 1.5 lbs, with a crystal clear 7.9" screen, it helps you organize information, diagnose complex vehicle symptoms and analyze fault codes quickly, easily and efficiently. Comes with standard 16-pin OBD2 DLC connector, wireless vehicle communication interface (VCI), software for Domestic, Asian, and European vehicles, and a year of updates.

BK **700-2583**

AUTEL

MAXIVIDEO INSPECTION CAMERA

Designed to work with MaxiSys series products or PC. Turns your MaxiSys tablet into a video inspection scope, allowing you to examine difficult-to-reach areas normally hidden from sight. Capable of recording digital still images and videos, which offers you an economical solution to inspect machinery, facilities and infrastructure in a safe and quick way. Features white LED lights to illuminate the inspection areas, small diameter for tight spaces, powerful and perfect for spark plug holes and engine cylinders. Super bright LEDs and high resolution provide crystal clear images.



BK **700-2587**

AUTEL

MAXISYS ONE-YEAR TOTAL CARE PROGRAM SUBSCRIPTION

Allows user access to new and updated software available for the MaxiSys scan tool for one year from date of installation of the update. Updates are available during the one-year time and the user can access them without addition charge per update.

BK **700-2589** For *BK* **700-2582**
BK **700-2590** For *BK* **700-2586**





AUTEL OBD 2

MAXIDIAG ELITE OBD2 SCAN TOOL ALL SYSTEM

This system enables the user to not only get info on the O.E. enhanced OBD2 system with mode 6 access and live data graphing, but it also allows a technician to scan the entire car, ALL makes, ALL models, and all available modules. User can read and clear codes in all Powertrain, chassis, body, and information and communication systems with the push of one button, making it great for body shops, used car dealers, and the professional repair shops. With its print function, you can easily provide the customer or the insurance agent a complete diagnosis of the vehicle. The new diagnostic platform delivers fast and easy diagnosis at the right price. Contents: Tool, Manual, CD Software, USB Cable and OBD2 Cable.

BK **700-2584**

LAUNCH



LAUNCH® DIAGNOSTIC CART

Includes Launch® ScanPad 10.1" ultra-high resolution IPS touch screen scan tool tablet (*BK* **700-2571**), Power Probe III® Circuit Tester (*BK* **700-2922**), 4-Drawer lock-top tool cart (*BK* **8041**), and foam kit for a perfect fit and protection.

BK **899-2571**

LAUNCH

PAD II VEHICLE DIAGNOSTICS



The PAD II is a robust, drop-tested and waterproof Android based scan tool tablet with a 10.1" ultra-high resolution IPS touch screen. Boasts the same award winning software as previous Launch Pro-line scan tools. Revolutionary customer remote diagnosis capability called Golo that allows the shop owner and technician to remotely analyze customer vehicle data outside the shop - even thousands of miles away. Online user community link further extends the utility and efficiency of the PAD II. 1,200 mAh lithium ion battery with up to eight hours on a single charge. Includes: one-year software subscription, high-resolution camera with still and video capabilities, 1-click Wi-Fi updates, vast vehicle coverage, powerful special test functions, accurate and ultra-fast live data, graphing along with module coding capabilities. Full system diagnosis is through a Class-1 Bluetooth 2.1 connector for optimum wireless connection. Built to IP65 waterproof specifications, drop-tested and dust-proof design.

BK **700-2591**

SCANPAD101



The ScanPad is a robust, drop-tested Android-based scan tool tablet with 10.1" ultra-high resolution IPS touch screen. Boasts the same award winning software as previous Launch Pro-line scan tools, including vast vehicle coverage, powerful special test functions, accurate and ultra-fast live data and graphing, with module coding capabilities. Full system diagnosis is through a Class-1 Bluetooth 2.1 connector for optimum wireless connectivity. Built-in customer management system and online user community link further extends the utility and efficiency of the ScanPad 101. Features an open Android operating system for a true tablet experience (install 3rd party apps & software), Ultra fast updates (less than 3 seconds per car line), drop tested, ultra-heavy duty design, Auto-ID all available vehicle systems and modules. Launch next generation software suite: OE level access to Asian, European and Domestic applications for module coding, resets, relearns and bi-directional capabilities. Built-in customer management software and link to Launch online user community. One-click Wi-Fi software updates, high-resolution camera with still and video capabilities, sleek ergonomic design, optional Wi-Fi printer available (Not Included).

BK **700-2571**

ANDROID SCAN PAD 7.1 IN. TABLET



Robust, drop-tested Android based scan tool tablet with a 7.1-inch high-resolution capacitive touch screen. Vast vehicle coverage, powerful special test functions, accurate and ultra-fast live data and graphing, along with module coding capabilities. Full system diagnosis is through a Class-1 Bluetooth 2.1 connector for optimum wireless connectivity. Built-in customer management system and online user community link further extends the utility and efficiency of the tool. Features a high-resolution camera with still and video capabilities. One-click Wi-Fi software updates and is OBD2 capable.

BK **700-6141**

C-READER PROFESSIONAL SCAN TOOL



The CRP123 blurs the lines between code scanner and professional mid-line scan tool. Features far beyond the typical read and clear codes, unit takes you to a new level of diagnostics. Support for all 10 test modes of OBD2 with enhanced Mode 6. Added capabilities such as enhanced data stream for ABS, SRS, Transmission and engine. The only true full coverage scanner not leaving you behind with coverage for only a few makes and models. Technicians looking for a traditional ABS / SRS code reader but want much more functionality, as the addition of live data stream, ability to scan transmission and coverage for Asian, Euro and Domestic should look no further. 3.5" TFT full color display, multi-language menu with DTC definitions in English, Spanish and French. Internet updateable, print data via PC.

BK **700-2929**

CRP129 CODE SCANNER



Contains enhanced manufacturer specific Domestic, Asian and European coverage for technicians to diagnose engine, transmission, ABS and airbag (SRS) systems. In addition, it also includes electronic parking brake (EPB) release, steering angle sensor (SAS) and oil service light resets. Graph, record, and playback crucial data to more efficiently diagnose drive ability issues. View engine, ABS, SRS along with A/T enhanced data. Features 3.5" TFT color display. Unit can be updated over the Internet and is OBD2 capable.
Contents: (1) Scan Tool, cables and manual.

BK **700-6140**

C-READER VII OBD CODE READER AND SERVICE RESET TOOL



The C-Reader VII integrates the award winning code reader capabilities of the C-Reader VI and the reset functions of the C-Resetter. Read and clear OBD2 trouble codes, view and graph live data in full color, perform oil service light resets and more. Unit is fast and ultra-portable, making it the perfect go-to code reader and reset tool for today's modern technician. Resets oil and service reminder lights on vehicles 1996 and newer. Coverage for the latest modes 1 thru 10. For use on all 1996 and newer Domestic and Import cars, SUVs and light trucks (communicates with all OBD2 Protocols / CAN compliant), generic and manufacturer specific definitions built-in. O2 sensor and EVAP system tests, 2010 and newer permanent code retrieval. Blazing fast refresh rate up to 2 frames per second, view graph Live Data - up to 4 color graphs at the same time, store up to 29 different recordings, record, save and playback live data - up to 8 hours. On-screen instructions included for manually reset vehicles, display, record and save codes and freeze frame data, identifies VIN information, I/M redness monitor status and drive cycle verification, read and clear DTCs. Special tests such as I/M redness, MIL status, O2 sensor, EVAP system, vehicle info, code look-up and on-board monitor test. Free Internet updates (USB 2.0) ensures communication with the latest vehicles.

BK **700-2573**

LAUNCH

CREADER VI FULL COLOR CODE SCANNER

For use on all 1996 and newer domestic and import cars, SUVs and light trucks, the CReader VI scanner offers 2010 and newer permanent code retrieval, live data viewing and graphing, I/M readiness monitor status and drive cycle verification, O2 sensor and evap system tests, and DTC reading and clearing.



Features

- Sampling rate up to 2 frames per second
- Record and store up to 8 hours of data
- Save up to 29 recordings
- Bright backlit QVGA LCD display
- Metric/US conversions
- Free internet updates (USB 2.0)
- Trilingual – English, Spanish, and French
- Extra long OBD cable
- Audible beep
- Special tests: I/M readiness, MIL status, O2 sensor test, evap system test, vehicle info, code lookup, and on-board monitor test

BK **700-2904**

LAUNCH

C-READER V+OBD CODE READER



The C-Reader V+ boasts a full color QVGA screen and the ability to graph multiple PIDs of data, along with blazing fast refresh rate for better graphing and live data readings. For use on all 1996 and newer Domestic and Import cars, SUVs and light trucks. Communicates with all OBD2 protocols / CAN compliant. View and graph multiple PIDs of live data in full color, coverage for the latest modes 1 thru 10, generic and manufacturer specific definitions built-in, O2 sensor and Evap system tests. 2010 and newer permanent code retrieval, blazing fast refresh rate at 2 frames per second, free internet updates (USB 2.0), display codes and freeze frame data, identify VIN information, I/M redness monitor status and drive cycle verification. Read and clear DTCs, multi-language - English, Spanish and French. Special tests, such as MIL status, O2 sensor, Evap system, vehicle info, code lookup and on-board monitor test.

BK **700-2572**

LAUNCH

GOLO DIAGNOSTICS MODULE



Telematic device for the OBD2 compliant vehicles 1996 and newer. Transmits live data via Bluetooth through car owner's cellphone (Android & IOS) and works in conjunction with Launch Android Platforms. Technicians can read, clear codes and review live data from thousands of miles away with voice and text communications between you and your customer. Can change OBD Diagnostics for both your repair shop and your customer experience, connecting them all together. Best of all there is no extra data plan needed with GOLO. Real-time Live remote enhanced data for trouble shooting and diagnostics, read and clear codes.

BK **700-2592**

NOREGON SYSTEMS

JPRO® PROFESSIONAL DIAGNOSTIC TOOLBOX WITH NEXT STEP



All-in-one PC-based diagnostic platform includes bi-directional testing and controls for Mack, Volvo, and Detroit engines. Shortens repair times, increases uptime and lowers maintenance costs. Laptop comes loaded with JPRO heavy-duty command software bundle with 12 months of support and annual subscriptions for Mack and Volvo, Detroit Diesel, and Next Step Service Information. Contents: Panasonic Toughbook CF-53 (with 8 GB of RAM), JPRO DLA+ Adapter, 6-pin and 9-pin cable, Mack and Volvo OBD2 cable, USB cable, and Fleet Service Kit Carry Case.

BK **396-5232**

NOREGON SYSTEMS

JPRO® PROFESSIONAL DIAGNOSTIC TOOLBOX SOFTWARE AND ADAPTER



Adapter kit and cables required for a technician to test, diagnose, and initiate repair on heavy-duty vehicles. Bi-directional testing and controls for Mack, Volvo and Detroit Engines. Contents: (1) Adapter, (1) heavy-duty software bundle, (1) USB cable, (3) adapter cables and (1) case.

BK **396-5238**

NOREGON SYSTEMS

JPRO® PROFESSIONAL HEAVY-DUTY SOFTWARE BUNDLE WITH NEXT STEP



All-in-one bundle that includes bi-directional controls for Ford, GM and Sprinter Vehicles. Cables Included.

BK **396-5229**

NOREGON SYSTEMS

TRAILER DIAGNOSTIC ADAPTER KIT WITH POWER SUPPLY CABLE



Heavy-duty trailer diagnostic adapter kit contains Noregon trailer diagnostic adapter and the cables required for a technician to test, diagnose and initiate repair on a heavy-duty trailer ABS system. The diagnostic adapter lets you connect to the heavy-duty trailer's ABS system to run diagnostics. The PLC J560 cable with the t-connector is a seven-way diagnostic interface that allows for connecting the trailer's ABS system through the seven-way interface at the nose of trailers in order to perform diagnostics. For use with March 2001 and later models. The USB cable is for connection from your JPRO data link adapter to your PC. The cable is 15' in length. Includes a rugged and durable case to keep your adapter and cables organized and protected from the elements of the service bay environment. Contents: (1) Adapter, (1) USB cable, (1) adapter cable, (1) power supply cable and (1) case.

BK **396-5226**



OREGON SYSTEMS

JPRO® PROFESSIONAL HEAVY-DUTY COMMAND SOFTWARE BUNDLE

All-in-one bundle that includes bi-directional controls for Ford, GM and Sprinter Vehicles. Cables Included.

BK **396-5230**



OREGON SYSTEMS

JPRO® PROFESSIONAL HEAVY-DUTY COMMAND BUNDLE RENEWAL

12 Month subscription.

BK **396-5231**



OREGON SYSTEMS

OEM DIAGNOSTIC SOFTWARE

Item No.	Description
BK **396-5052**	International ServiceMax diagnostic software for Navistar engines.
BK **396-5053**	International Diamond Logic Builder diagnostic software for Navistar post 2001 chassis control modules.
BK **396-5056**	Allison DOC diagnostic software for Allison transmissions.
BK **396-5204**	Covers US and Canadian models: C, F, H, N, T and W. Covers 2005 to current year.
BK **396-5111**	Heavy-duty ABS software bundle kit includes Meritor Wabco Toolbox software, Haldex ABS, Bendix ACOM, Wabash ABS for PLC.

**** Additional years of annual support on JPRO® software is only available to purchase through NAPA at the time the module is sold. Renewals after the initial purchase must be made by visiting www.jprofleetproducts.com/renewals or call the JPRO® Renewals line at: 1-855-889-JPRO (5776).***

OTC

HEAVY-DUTY FAULT CODE GUIDE



This newly-published reference guide consolidates medium- and heavy-duty fault code information into one book. Provides diagnostic trouble codes for powertrain, transmissions, and anti-lock brake systems, as well as sensor descriptions. Also contains index of industry-standard acronyms and abbreviations.

BK **700-3127**

CODE HAMMER™ OBD2 VEHICLE DIAGNOSTIC SCAN TOOL



An ideal entry-level code reader, the Code Hammer™ works on all Domestic/Import current-1996 cars, minivans, light trucks and SUVs. Links to all OBD2 protocols, including CAN to decode "Check Engine" problems. Automatically updates data every 30 seconds when connected to a vehicle, making it easy to verify that repair is complete. Will erase codes.

SER **77-3871**

INNOVA DIAGNOSTICS MADE EASY

CARSCAN® CODE READER



Diagnoses all 1996 and newer vehicles, turns off the check engine light, and displays vehicle health status. LEDs quickly confirm if a vehicle will pass an emissions test. Emissions readiness advisor quickly completes OBD trip and drive cycles.

BK **700-2631**

INNOVA DIAGNOSTICS MADE EASY

CARSCAN® SCAN TOOL



Diagnoses all 1996 and newer vehicles, turns off the check engine light, and displays vehicle health status. LEDs quickly confirm if a vehicle will pass an emissions test. Emissions readiness advisor quickly completes OBD trip and drive cycles. View live data values to quickly diagnose and repair vehicles. Provides freeze frame and manufacturer specific diagnostic trouble codes. PC compatible with ability to print vehicle diagnostic reports. Internet updateable.

BK **700-2632**

INNOVA DIAGNOSTICS MADE EASY

CARSCAN® + ABS/SRS SCAN TOOL



View live data values to quickly diagnose and repair vehicles. Provides freeze frame and manufacturer specific diagnostic trouble code definitions for all makes. Provides airbag system diagnostics for domestic and Asian vehicles. Provides anti-lock braking system diagnostics. Performs OBD2 enhanced level check engine diagnostics. PC compatible with ability to print diagnostic reports. Internet updateable.

BK **700-2633**

INNOVA DIAGNOSTICS MADE EASY

CARSCAN® + OBD1/ABS/SRS SCAN TOOL



Over 30 years of vehicle coverage with OBD1 & OBD2 for import and domestic vehicles. Anti-lock brake and airbag diagnostics offer a complete diagnostic tool. Expanded live data with plug and play diagnostics. View live data values to quickly diagnose and repair vehicles. Provides freeze frame and manufacturer specific diagnostic trouble code definitions for all makes and airbag diagnostics for domestic and Asian vehicles. PC compatible with ability to print diagnostic reports. Internet updateable.

BK **700-2634**



INNOVA DIAGNOSTICS MADE EASY

CAN / OBD2 VEHICLE DIAGNOSTICS SCAN TOOL

Patented all-in-one screen color display for quick emissions check. Displays freeze frame data, memory / battery backup for off-car review and analysis. Unit can be flash updated with standard Windows PC.

BK **700-2613**



INNOVA DIAGNOSTICS MADE EASY

CAN OBD1 AND OBD2 VEHICLE DIAGNOSTICS SCAN TOOL KIT

Designed to retrieve diagnostic codes in all OBD2 and most popular OBD1 vehicles. Features all-in-one color screen display for quick emissions check. Unit can be updated with standard Windows PC, display freeze frame data.

Contents: (1) Diagnostic tool, (4) OBD1 connectors, (2) soft cases and (1) instructions.

BK **700-2611**



INNOVA DIAGNOSTICS MADE EASY

CAN OBD2 CAR READER

Perfect entry level tool designed to empower any consumer when it comes to vehicle maintenance. Automatic refresh updates data every 30 seconds to verify repair completion. Features all-in-one color screen display for quick emissions check.

BK **700-2612**



INNOVA DIAGNOSTICS MADE EASY

CAN OBD2 ABS TOOL

Powerful OBD2 tool quickly reveals "Check Engine" light warnings. Features patented all-in-one color screen, automatic refresh updates data every 30 seconds. Unit can be flash updated with standard Windows PC.

BK **700-2610**



INNOVA DIAGNOSTICS MADE EASY

ABS/SRS + OBD2 DIAGNOSTIC TOOL™

- Diagnoses ABS and SRS codes on most 1996 and newer GM, Ford, Chrysler, Toyota and Honda vehicles.
- Powerful OBD2 tool quickly reveals "Check Engine" light warnings on any 1996 and newer car, light truck or SUV - Foreign and Domestic.
- Retrieves OEM Enhanced and Transmission DTCs
- Features unique patented all-in-one backlit screen and LED display for quick State Emissions readiness check and drive cycle verification
- Automatic refresh updates data every 30 seconds when connected to the vehicle – an easy way to verify repair completion
- Retrieves OBD2 DTCs: Generic Codes (P0, P2, P3, and U0)/ Manufacturer Specific Codes (P1, P3, and U1)
- Communicates with all OBD2 protocols: C.A.N. (Controller Area Network), ISO 9141, J1850PWM, J1850VPW, KWP 2000 ISO 14230-4
- Code Definition Displayed on Unit in English, Spanish or French
- Displays OBD2 Freeze Frame Data and turns off check engine, ABS and SRS lights
- Unit can be USB(cable included) flash updated with a standard Windows® PC (OBD-PC Link™ software required/included with tool)
- Memory/Battery backup for off-car review and analysis
- Comes with access to Innova.com RepairSolutions which gives trouble code definitions, a full diagnostic report, probable causes, most likely fix to DTCs, repair costs and more.

BK **700-2273**



OTC

TRILINGUAL OBD2 / EOBD & CAN SCAN TOOL

AutoID automatically selects the vehicle so you don't have to on most 2000 and newer vehicles. Component locator has text-based descriptions indicate where on the vehicle a component is located. Additional PIDs for freeze frame and view data. Supports over 300 global OBD2 live data items, dependent on vehicle. Includes all available I/M Monitors (emissions). Graphs live data. Acronym library database used in the tool. Meets new 2010+ requirements (15 monitors, HD, diesel, hybrid coverage). Reads and displays live sensor data and MIL status. Displays generic and enhanced definitions on screen. Reads and erases diagnostic trouble codes. Visually indicates when tool is trying to communicate and retrieve data from an OBD2 vehicle. Reads and displays pending and permanent DTCs, freeze frame data, VIN number, CVN, CAL ID, state OBD check, OBD2 drive cycle mode, O2 test, diagnostic monitor test and on board systems. Includes over 15,000 code definitions. Updateable via USB cable (included). EOBD compatible and CE certified. Trilingual menu, manual and code definitions (English, Spanish, French).

BK **700-3270**

OTC

TRILINGUAL OBD2 / CAN & ABS/SRS SCAN TOOL

Compatible with all 1996 and newer cars and light trucks. Expanded domestic and Asian ABS and airbag coverage. Now with over 4.3 million verified fixes at the touch of a button. Airbag SRS and ABS coverage for 1996-2010 GM, Ford and Chrysler and 1996-2009 Toyota, Honda, Hyundai & Nissan. Includes code lookup library. Displays additional live engine data with over 300 possible PIDs. View engine RPMs, coolant temperature, oxygen sensor readings and more. AutoID automatically retrieves VIN from vehicle and decodes to Year/Make/Model. Component locator text descriptions indicate where the vehicle component is located. Displays, records and plays back live engine data and acronym library. Dual graphing allows two PIDs at the same time for comparison. Includes trilingual menus and definitions. Optional battery power, field updateable via USB port, trilingual manual (English, Spanish, and French), print data to PC, read and erase DTCs, read and display MIL status and I/M monitors, freeze frame data, drive cycle mode, state OBD check. Visual indicator when communicating with vehicle.

BK **700-3271**





OTC

OBD2 / CAN BREAK OUT BOX

Use this tool for diagnosing electrical faults and CAN bus line activity. Check power and ground circuits, check active protocol lines, or connect a multimeter or oscilloscope for detailed signal analysis. Connects between Diagnostic Link Connector (DLC) and scan tool. Detects data and protocol communication. Monitors system voltage, display and high/low alarm. Connect leads for increased diagnosis, analysis and monitoring. Verify ECU activity, monitoring of OBD2 data lines, probe lines with scope or multimeter for detailed signal information, check & monitor battery voltage with continuous numeric display or voltage. Alarm warning when voltage drops below 11.6 Volt DC or rises above 15.2 Volt DC. 3-digit LED (resolution: 0.1 V). 16 outputs × 4.0 mm diameter with LED lamp indications. Up to 5.0 amp output. 7.0–20.0 Volts DC input. PTC fuse overload protection.

BK **700-3696**



OBD2 BREAKOUT BOX

Provides easy access to all 16 OBD2 terminals and a connection to scan tool. Eliminates guesswork regarding which terminals are being probed and damage to vehicle terminals from probing. Test probes plug in securely so you are free to diagnose - no more crawling under the dash trying to probe what you can't see. Great for diagnosing down communication links.

BK **700-2696**

DREW TECHNOLOGIES



CARDAQ-M MODULAR KIT

Evolutionary Modular J2534 tool that can easily be upgraded as automotive repair technology changes. Tool offers a wide range of capabilities to help you grow your business and retain customers. Abilities include module programming, diagnostic functions, key programming, data monitoring. Unit is J2534-1 & J2534-2 compliant. This kit is a complete service tool and will support J2534-1 & EURO 5 OEM diagnostics and reprogramming applications. The technician can purchase upgrade modules at any time to keep up to date or add more protocols to the tool.

BK **396-1200**

DREW TECHNOLOGIES



TVIT HD INTERFACE KIT

Offers flexibility, rugged performance and its advanced software provides for improved diagnostic and flash repairs for today's heavy-duty vehicles. Supports RP1210 systems. Interchangeable locking cables allow switching manufacturers easily. Equipped to provide coverage for manufacturers using SAE J2534 standards found in both passenger and heavy-duty vehicles. The premier tool for in-vehicle communication networks for today's modern trucks at an affordable price. Rugged design is capable of withstanding harsh environments. High performance design is capable of quickly reprogramming even the newest controllers. Suitable for engineering and development uses, as well as service and repair. Supports major protocols and standards. Tool works with software available from different OEMs and thru the aftermarket to perform diagnostics, service, data logging and reprogramming. USB cable features reliable locking ends that can be detached.

BK **396-1201**

DREW TECHNOLOGIES



IMCLEAN CALIFORNIA SMOG-CHECK BAR-OIS DAD DEVICE

Designed to work with California's BAR-OIS system. It has already passed BAR's stringent alpha testing. Features heavy-duty cables and connectors, built-in self-tester and cable checker, warranty and automatic firmware download. Includes OBD2 generic diagnostic scan tool software, free lifetime updates to meet BAR requirements, free Windows help tool and videos. Unit has impact-resistant rugged case and soft rubber boot.

BK **396-1202** BAR-OIS DAD Device
BK **396-1203** BAR-OIS DAD Device with Bluetooth connection supporting up to 100 ft.

DREW TECHNOLOGIES

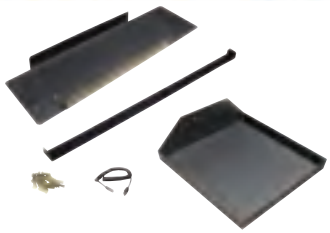


IMREADY EMISSIONS PRE-TESTER

Failed emissions tests can be very expensive for customers. What's worse is when a customer fails the test, has repairs done and then fails the test a second time. After a car is repaired, it must be driven for a certain amount of time so the car's computer system can get ready for the test. If the computer is not ready when the car is tested again, it will fail even though the car may be correctly repaired. Device plugs into the OBD2 port and runs the California emissions test. When connected, the user will see a yellow light indicating the test is running. After the test completes, unit will show green light for pass or red light for failed test. Customer simply waits until they get a green light before they go back to the smog station for a test. Low cost unit can be purchased by customers after repairs are performed or could be rented. Device can also be sold at a test site to verify that the vehicle is ready before the actual test is performed.

BK **396-1204**

DREW TECHNOLOGIES



DIY CART BRACKET KIT

Drew Technologies has put together a kit with all of the hard to find parts you need to make your own DIY Cart system. After you purchase our DIY Cart Bracket Kit, you can assemble your own system with a computer and common parts found local. Kit converts a standard DIY cart into a specialized workstation. Use your existing computer, printer and monitor. Works with any Windows 7 or 8 PC or laptop. If part fails, replace it locally -same day. Save money and have control. Contents: (1) Monitor Bracket, (1) Cable Management Bracket, (1) Printer Shelf & Hardware, 15' Cable and Mounting Hardware.

BK **396-1205**

DREW TECHNOLOGIES



MONGOOSE PRO – FORD DIAGNOSTIC SCAN TOOL

Low cost, high performance reprogramming and security vehicle interface for Ford vehicles. Unit has been validated and approved by Ford for use with Motorcraft Ford Module Programming Software. Offers a wide range of capabilities to help you grow your business and retain customers including all module flash programming, PATS key programming, basic diagnostic functions. Using J2534 toolbox, technicians can perform basic OBD2 diagnostics.

BK **700-6126**

DREW TECHNOLOGIES



MONGOOSE PRO – GM DIAGNOSTIC SCAN TOOL

Low cost, high performance reprogramming diagnostics interface for GM vehicles. Scan Tool supports TIS2WEB for module reprogramming and Tech2WIN for diagnostics. Offers a wide range of capabilities to help you grow your business and retain customers. It offers diagnostics functions thru Tech-2WIN, all module flash programming, security system programming. It's Tech2WIN for diagnostics on power train, chassis, body, anti-theft and TPMS systems. Supports trouble codes, enhanced data lists, bi-directional controls, systems tests and data logging.

BK **700-6127**

DREW TECHNOLOGIES



MONGOOSE PRO – TOYOTA DIAGNOSTIC SCAN TOOL

Toyota has approved as a supported interface and will offer it directly to Toyota / Lexus / Scion dealerships and the aftermarket as Techstream Lite. Low cost package for factory diagnostics, service info, reprogramming and health checks. Support for DLC3 (OBD2), diagnostic trouble codes, data list, active list, monitor, utility, reprogramming, health checks and customize (C-Best).

BK **700-6128**

DREW TECHNOLOGIES



MONGOOSE PRO – CHRYSLER DIAGNOSTIC SCAN TOOL

Scan tool is low cost, high-performance reprogramming vehicle interface for Chrysler vehicles. It has been tested for use with Chrysler. Offers a wide range of capabilities to help you grow your business and retain customers. Supports engine and transmission module, reprogramming using Chrysler's Tech Authority Software. Using the J2534 toolbox, technicians can perform basic OBD2 diagnostics.

BK **700-6129**

actron



IMPORT CODE SCANNER

For Toyota, Honda and Nissan. Computer safe. Provides code definitions and access to onboard computer. Trouble codes flash on dashboard, "Check Engine" light or computer module.

BK **700-1738**

actron



FORD CODE SCANNER

For domestic Ford/Lincoln/Mercury 1994-81, MCU and EEC-IV systems. Easy to use - just plug code scanner into Ford self-test connectors. Accurate code determination - light flashes computer trouble code. Diagnose engine/electrical problems by cross-referencing trouble codes to code scanner manual and determine the problem. Exclusive audio tone and test/hold features unique to Ford diagnostic testing.

BK **700-1736**

OTC



OIL SERVICE LIGHT 2010 RESET TOOL KIT

Electronic tool set includes the adapters and interface module required to reset oil lights on many vehicles. Also includes detailing oil light reset procedures for manual resets. Features added functionality to reset maintenance and service interval lights.

BK **700-6119**

OTC

ABS READER II EXCHANGE KIT

Exchange kit is designed for owners of earlier version OTC® ABS Reader Tool (*BK* **396-3111**). It includes all the same great features as the new ABS Reader II (*BK* **396-1115**) but at almost half the cost. Kit includes ABS Reader II Tool, System Smart inserts, cables and adapters necessary to support domestic, Asian and European coverage, ScanMate ABS PC software, and operations manual.

BK **396-1116**



REDLINE DETECTION.COM



SMOKE PRO® AIR COMPLETE™

Simply the most technologically advanced smoke machine, Air Complete™ comes with its own onboard micro compressor, eliminating the need for air lines or gas tanks.

Whether a repair job is across the service bay or across town, the ultra-portable Air Complete™ lets you go where the work is! This compact/rugged smoke machine can be used anywhere, anytime to quickly detect, measure, and precisely locate a variety of leaks: EVAP, intake, oil, vacuum, wind and water, exhaust, and many more!

Features & Benefits

- Quickly finds a variety leaks
- Finds more repair jobs
- Helps sell them to your customer
- Decay testing to eliminate comebacks
- Compact, rugged design: 10.25 lbs.
- Dual operating modes: smoke or air-only cycle
- Pays for itself in 30 days
- OEM-Approved smoke fluid contains no dye/contaminants
- Made in USA
- Every Accessory + Extras Included:
  (1) EasyEVAP™ universal filler neck connector
  (2) OEM-Approved Smoke Agent
  (1) Halogen Inspection Light
  (1) EVAP Service Port Tool
  (1) EVAP Schrader Valve Removal Tool
  (1) Cap Plug Kit
  (1) Exhaust Cone Adapter
  (1) XL Exhaust Cone Adapter
  (1) Plastic Accessory Case
  (1) Training DVD

Item No.	Description
BK **78-9020**	SmokePro® Air Complete™ with Accessory Kit
Replacement Accessories	
BK **78-9002**	Replacement Bulb for Halogen Inspection Light
BK **78-9004**	EVAP Service Port Kit
BK **78-9005**	Exhaust Cone Adapter
BK **78-9008**	Cap Plug Kit
BK **78-9010**	Smoke Producing Fluid
BK **78-9011**	Halogen Inspection Light
BK **78-9012**	Plastic Accessory Case

REDLINE DETECTION.COM



SMOKE PRO® TOTAL TECH®

The world's best-selling smoke machine pays for itself in less than 30 days because it finds more repair jobs and helps sell them to your customer. SmokePro® will drastically reduce diagnostic time by finding even the tiniest leaks in minutes.

This diagnostic leak detector solution quickly tests the EVAP, intake, exhaust, and many other systems to locate leaks and turn them into profits. SmokePro® Total-Tech® uses OEM approved smoke-producing fluid to produce the thickest smoke available to pinpoint even the smallest leaks. Perform decay/leak-down tests with compound pressure gauge verifies that repairs are 100% complete.

Features & Benefits

- Compact, rugged design: 6.5 lbs. EVAP Weight
- Upgraded flow meter: measures leaks to 0.010"
- Improve the accuracy of repairs: verify repairs are complete
- Pressure decay testing eliminates comebacks
- Finds more repair jobs
- OEM-Approved smoke fluid contains no dye/contaminants
- Pays for itself in 30 days
- Made in USA
- All accessories included:
  (1) OEM-Approved Smoke Agent
  (1) Halogen Inspection Light
  (1) EVAP Service Port Tool
  (1) EVAP Schrader Valve Removal Tool
  (1) Cap Plug Kit
  (1) Exhaust Cone Adapter
  (1) Plastic Accessory Case
  (1) Training DVD

Item No.	Description
BK **78-9000**	SmokePro® Total-Tech® with Accessory Kit
Replacement Accessories	
BK **78-9002**	Replacement Bulb for Halogen Inspection Light
BK **78-9003**	Accessory Kit for SmokePro® Total-Tech®
BK **78-9004**	EVAP Service Port Kit
BK **78-9005**	Exhaust Cone Adapter
BK **78-9006**	Hook
BK **78-9007**	Inlet Pressure Regulator
BK **78-9008**	Cap Plug Kit
BK **78-9009**	Compound Pressure Gauge
BK **78-9010**	Smoke Producing Fluid
BK **78-9011**	Halogen Inspection Light
BK **78-9012**	Plastic Accessory Case



ACCESSORY KIT FOR SMOKE PRO® TOTAL TECH® W/ PLASTIC CASE

The complete kit includes: exhaust cone adapter, cap plug set, EVAP service port adapter with Schrader removal tool, halogen lamp and bottle of smoke producing oil and plastic carrying case. Suitable for use with any smoke machine.

BK **78-9003**

EXHAUST CONE ASSEMBLY

The exhaust cone adapter fits into the tailpipe to seal the pipe and allows smoke to enter the exhaust system for leak testing. This cone may also be used to access the intake systems of many vehicles. Suitable for use with any smoke machine.



BK **78-9005**

HOOK ASSEMBLY

Stainless steel hook for hanging the Smoke Pro under-hood or chassis.



BK **78-9006**

INLET PRESSURE REGULATOR

This regulator has been designed to for use in the inlet air supply of the Smoke Pro. It is tamper proof and preset at 90 PSI. This regulator will protect the flowmeter and increase its sensitivity. To install, simply connect to inlet of flowmeter.



BK **78-9007**

CAP PLUG ASSEMBLY

The cap plug set consists of a variety of cap plugs ranging from 1/8" to 4" in diameter. These cap plugs may be use to seal open intakes and other openings necessary to perform leak testing. Includes convenient storage bag. Suitable for use with any smoke machine.



BK **78-9008**

HALOGEN INSPECTION LAMP

This 12-volt halogen lamp is designed for automotive use. It features a swivel head and a 20' power cable to allow access to the chassis while clipped to the vehicle's battery. Lamp can be used with any smoke machine.



BK **78-9011**



SMARTFIT™ UNIVERSAL COOLING SYSTEM TEST KIT

SmartFit™ Universal Cooling System Test Kit is the universal radiator adapter set with a pressure pump. It is the complete solution for pressure testing all radiators and plastic reservoirs in passenger vehicles and light-duty trucks. Made from the highest quality anodized aluminum and solid brass components, SmartFit™ is a professional-grade tool at an economical price.

BK **78-9017**

SMARTFIT™ UNIVERSAL RADIATOR ADAPTER SET



SmartFit™ Universal Radiator Adapter Set enables technicians to quickly and easily pressure test 100% of cooling systems in passenger vehicles and light-duty trucks. SmartFit™ ensures maximum versatility and performance, eliminating the need to buy another adapter. This radiator adapter set expands to fit every vehicle and works with any pressure pump.

BK **78-9016**

COMPOUND PRESSURE GAUGE

This pressure gauge utilizes a 2 1/2" dual scale dial. Full range from -30" to 30" H2O 0 to 1.1 PSI. The gauge is complete with a Redline designed protective rubber boot. Connection is 1/4 NPT with center back mounting.



BK **78-9009**

REPLACEMENT HALOGEN LAMP

Replacement lamp for Smoke Pro® Halogen Inspection light. Type: 12VDC, 50 Watt, MR-16 spot.



BK **78-9002**

PLASTIC ACCESSORY CASE

Plastic case for housing all your Smoke Pro® Accessories and attachments. Does not include any accessories.



BK **78-9012**

REDLINE DETECTION.COM

SEALING DISKS

To ensure airtight seals, use with the Universal Filler Neck Connector.



Item No.	Description
BK **78-9013**	12 pack
BK **78-9014**	20 pack
BK **78-9015**	40 pack

REDLINE DETECTION.COM

EVAP SERVICE PORT KIT

The service port adapter connects to the OBD2 service port to allow access to the EVAP system. A Schrader valve removal tool is included. Suitable for use with any smoke machine.

BK **78-9004**



REDLINE DETECTION.COM



EASYEVAP™ UNIVERSAL FILLER NECK CONNECTOR

EVAP testing has never been simpler than ever with the EasyEVAP™ universal filler neck connector. In seconds, this versatile adapter creates an air-tight seal with any vehicle's EVAP system, eliminating the need for searching for the EVAP service port. For capless filler necks, technicians can insert the new capless adapter to access the system. EasyEVAP™ is compatible with any smoke machine, not just Smoke Pro®, and removes cleanly from the gas cap. Includes (1) universal filler neck connector, (1) CapAdapt™ capless fuel neck adapter, and (12) sealing disks.

Item No.	Description
BK **78-9001**	EasyEVAP™ Universal Filler Neck Connector
Replacement Accessories	
BK **78-9013**	12-Pack Sealing Disks
BK **78-9014**	20-Pack Sealing Disks
BK **78-9015**	40-Pack Sealing Disks

REDLINE DETECTION.COM

SMOKE PRODUCING FLUID

For use with Redline Smoke Machines. One 8 oz. bottle can service over 1000 vehicles! Mineral oil USP or NF, white medicinal (common baby oil) or food grade Type H1 with fragrance.

BK **78-9010**



OTC

OEM APPROVED



LEAKTAMER™ LEAK DETECTION SYSTEM

Easy, effective, versatile tool helps technicians diagnose EVAP trouble codes on domestic and import cars and light trucks. Uses patented UltraTrace UV™ technology, variable flow control and integrated water separator. Includes white light, UV and laser detection light.

Contents

- Leak Tamer Unit
- White/UV Combination Light with Laser Pointer
- UV Glasses
- Service Port Adapter
- Exhaust Adapter Cone
- Cap Plug Adapters
- Schrader Removal/Installation Tool
- Smoke Solution

BK **823-2801** Leak Detection System
BK **700-3123** 100 PSI Preset Nitrogen Pressure Regulator

Specifications

	BK **823-2801 LeakTamer™**
DIAGNOSTICS:	
Flow Meter - Measures Flow Rate Of Leaks	X
Dual-Phase Testing: Verify Leak/Locate	X
LEAK DETECTION:	
Locate Leaks Using Smoke & UV Trace Technology	X
ACCESSORIES:	
Deluxe Accessories Kit	X
White/UV Combination Light with Laser Pointer	X
APPROVED BY MOST MAJOR OEMs:	
Technology Developed in Collaboration with Ford/GM/Chrysler	X
Uses Nitrogen for EVAPs - Safer & Required by Most OEMs	X
Recommended Accessory: Dual Color UV Tactical	—

NAPA PRODiagnostics

UNIVERSAL COMBUSTION LEAK TEST KIT

Locate combustion leaks without guesswork. Tests in seconds for cracked blocks, leaky gaskets or cracked/warped heads. Kit includes test tool and a 16-ounce bottle of combustion leak test fluid. For gas and diesel engines.



Item No.	Description
BK **700-1006**	Combustion Leak Test Kit, Contains (1 of each): *BK* **700-9572**, *BK* **700-1361** and *BK* **700-1366**
BK **700-9572**	Aspirator Bulb w/Valve
BK **700-1361**	Large Engine Adapter
BK **700-1366**	Leak Test Fluid

PRODiagnostics

LASER PHOTO TACHOMETER



The ideal tool for easy and accurate RPM measurement in any environment. Simply aim the laser beam at a reflective mark placed on a rotating device, push the button and the RPM reading is displayed immediately — no contact with shaft or wheel is necessary. Memory function allows maximum/minimum RPM readings to be saved. Beam is not affected by shop lighting, can detect RPM from distances of up to six feet away, and measures up to 99,999 RPM in increments of one. Used by automotive, marine, small engine, HVAC and industrial technicians. Can be used on coil-on plug and diesel engines, where conventional, inductive tachometers cannot. May also be used on generators, compressors, industrial engines, fans, gears, and more! Includes reflective tape, instructions, nine-volt battery and zippered storage case.

BK **700-2608**

PRODiagnostics

HANDHELD DIGITAL TACHOMETER



Versatile instrument measures RPM on a wide variety of engines from string trimmers to automotive engines. Read revolutions from 0 to 20,000 RPM and picks up signal wirelessly or with supplied inductive pickup. For use on outboards, snowmobiles, motorcycles, small engines, generators, lawn equipment and more.

BK **700-3877**

OTC

REFLECTIVE TAPE

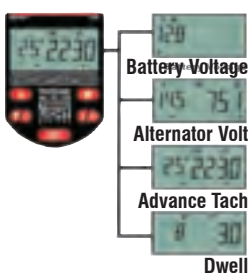


For use with discontinued *BK* **700-1483** Digital Photo Tachometer.

BK **700-1484**

INNOVA DIAGNOSTICS MADE EASY





INNOVA® DIS PROFESSIONAL DIGITAL TIMING LIGHT

One-hand-operated timing light features heavy-duty ABS/polycarbonate shock-proof housing, molded boots and built-in hand guard for protection. Innovative, slim rotating barrel enables better aim at timing mark. Switches from two- to four-cycle and features patented 9,990 RPM. Includes detachable six-foot leads with metal inductive pick-up. Four-function digital readout features easy-to-read backlit LCD. Molded-plastic storage case included.

Four-Function Digital Readout

1. Tachometer 249-9,990RPM
2. Advance (Two- and Four-Cycle): 0°-90°
3. Dwell: 0°-180°/2-12 Cylinders
4. Voltage: 10-16V DC

BK **700-2502**

INNOVA DIAGNOSTICS MADE EASY

INNOVA® DIS INDUCTIVE TIMING LIGHT



Best-selling, one-hand-operated timing light is a must have for every tune-up kit. Features an innovative slim, rotating barrel, which enables better aim at timing marks. Works on domestics and imports with most ignition systems, including: DIS, conventional, electronic and computer-controlled. Allows technician to check timing, diagnose no-spark conditions, check for electronic advance/retard, and more! Also features protective hand guard, detachable leads with metal inductive pickup, and patented skip circuitry test for up to 9,990 RPM.

BK **700-2501**

TRMS PREMIUM LOW CURRENT CLAMP METER



Clamp meter has improved the zero drift on the low DC amps function - along with enlarging the clamp size to accommodate larger ground cables. The significant amount of feedback from our end user customers has contributed greatly in building this premium low current clamp meter. These features will be unmatched. It is a great tool for parasitic drain testing. Larger 19 mm (.75) clamp size - can clamp over larger ground cables and some multi ground cable systems. True RMS accuracy, 5,000 count backlit LCD display with analog barograph. Peak MIN / MAX function, standard MIN / MAX function. CAT III 600 Volt safety rating. It has built-in temperature Fahrenheit / Celsius readings.
Use with Automotive, Marine, S Engine, HVAC and Industrial Technicians.

Voltage Range:.....500 mV - 600 V DC, 500 mV - 600 V AC
Amp Range:.....5,000 mA - 60 Amp
OHM Range: ..... 500 Ohms - 50 MOhms

BK **700-2362**

FLUKE



FLUKE 233/A REMOTE DISPLAY AUTOMOTIVE DIGITAL MULTIMETER

Remote display allows you to be in two places at once. Removable display works on conventional and hybrid vehicles and low-power wireless technology allows the display to be carried up to 10m away. Includes tester, test lead, alligator clip, thermocouple probe, soft carry case, meter hanging strap, automotive back probe pins and training DVD. Up to 1,000 Volt AC/DC. Replacement fuse *BK* **700-9622** 11A 600V.

BK **700-2252**

FLUKE®

FLUKE® 77-4 MULTIMETER - 600V CAT III & 1,000V CAT II

The model Fluke 77-4 is the preferred model for a large number of professionals. Fluke offers exactly the right fit for a wide range of measurements. The 77-4 has all the features and functions for a wide range of industrial applications packaged in an ergonomic case with integrated holster. This model comes with a unique lifetime warranty.



Features

- Wide 1,000V measurement range
- Avg. responding AC measurements
- 0.3% accuracy
- Measures 10 A (20 A overload for 30 seconds)
- Measures frequency and capacitance
- Measures resistance and continuity

BK **700-1847**

See page 344 for specifications.

FLUKE® 83-5/NAP SERIES MULTIMETER



Fluke 83 Series meters are among the most powerful diagnostic tools in the industry. Equipped with all the features of other Fluke meters, the 83 Series adds frequency (Hz), duty cycle (%), and minimum/maximum record. Gives you the power of a console tester in a handheld tool. The 83-5 adds low ohm resistance measurements (down to 0.010 ohms) and a backlit display for easy viewing in dark workspaces. Basic accuracy (± (% of reading + number of digits): 0.1% + 1 and 0.2% + 1.

BK **700-1803**

See page 344 for specifications.

FLUKE® 88-5 AUTOMOTIVE MULTIMETER COMBO KIT



This perennial best seller has improved measurement functions, troubleshooting features and accuracy to solve more problems on conventional and hybrid vehicles. The 88V is made in the U.S.A. and carries the industry leading lifetime warranty. Fluke 88 is the classic automotive multimeter, built for years of accurate, reliable service.

Features

Data hold, auto-ranging, min/max, recording measures DCV, ACV, DC Current, AC Current, Resistance, Capacitance, Frequency, Duty Cycle, Temperature and more

Combo Kit Includes

88V multimeter, TL224 silicone test leads, AC285 long reach alligator clips, TP220 test probes, RPM 80 inductive RPM pick-up, magnet and strap, 80 BK temperature probe, two automotive back probe pins, insulation piercing probe, C800 durable carrying case, holster, 9V battery (installed), Getting Started Manual, and CD with detailed manual.

BK **700-1843**

See page 344 for specifications.

FLUKE® 88-5 AUTOMOTIVE MULTIMETER

The most powerful automotive multimeter ever offered by Fluke. Improved measurement functions, trouble-shooting features and accuracy to solve more problems on conventional and hybrid vehicles. In addition to having all standard multimeter features like the ability to measure voltage, current, continuity, and resistance, the Fluke 88-5 can perform diode test and pulse width measurements. Can take current measurements up to 20A for 30 seconds and 10A continuously. The optional magnetic hanger lets you attach the meter to most steel surfaces for easy set up and viewing. Designed to be used in high-energy environments like those found on hybrid vehicles.



Features

- Resistance, continuity and diode test
- Millisecond pulse width measurements for fuel injectors
- Frequency to 200 kHz and % duty cycle
- Measure up to 1000 V AC and DC
- Measure current up to 10 A, 20 A for up to 30 seconds
- 4.5 Digits for precise measurements
- RPM measurements with optimal inductive pickup

BK **700-1845**

See page 344 for specifications.

FLUKE® 87-5 TRUE RMS MULTIMETER

The new Fluke 87V has improved measurement functions, trouble-shooting features, resolution and accuracy to solve more problems on motor drives, in plant automation, power distribution and electro-mechanical equipment. True RMS accuracy when the job calls for it - Fluke 87-5's versatility is why this is a perennial favorite in shops year after year.

- The new Fluke 87V has improved measurement functions, trouble-shooting features, resolution and accuracy to solve more problems on motor drives, in plant automation, power distribution and electro-mechanical equipment.
- Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- Large digit display with bright, two-level backlight
- CAT III 1000V Hybrid Safety Rated
- Features auto data hold, auto-range, min/max, recording measures frequency, duty cycle, pulse width, analog bar graph, much more



Includes

- TL75 Test leads
- AC72 Alligator clips
- Holster
- 9V battery (installed)
- Getting Started manual
- CD with detailed manual
- 80 BK temperature probe

BK **700-1844**

See page 344 for specifications.



FLUKE

FLUKE® 115 MULTIMETER

Compact, true-RMS meter for field service technicians. The Fluke 115 is the solution for a wide variety of electrical and electronic testing applications.

Features

- Resistance, continuity, frequency, capacitance and diode test
- Measures 10 A (20 A overload for 30 seconds)
- Large, white LED backlight to work in poorly-lit areas
- Compact ergonomic design for one-handed operation
- True-RMS for accurate measurements on non-linear loads
- Min/max/average with elapsed time to record signal fluctuations
- CAT III 600 V safety rated

BK **700-1846**

See page 344 for specifications.

NAPA PRODiagnostics

TRUE BLUE™ AUTOMOTIVE DIGITAL MULTIMETER

Features large backlit LCD display, duty cycle measurement and dual fuse protection. Also includes auto power-off and low battery indicators. K-type temperature probe, holster, 9V battery, premium test lead set, alligator clips and manual are all included. Ideal for use by hobbyists, on appliances, in the shop, or around the home. Category III volt safety (16 test functions/56 test ranges). CAT-III, safety rated to 600V.



BK **700-2602**

See page 344 for specifications.

NAPA PRODiagnostics

TRUE BLUE™ JR. DIGITAL MULTIMETER

Compact design and necessary functions provide overall convenience. Capabilities equal to many higher-priced meters. Features 20 test ranges and seven functions, 10-amp test range, continuity beeper, 10 meg/ohm impedance, and is fully fuse protected. Ideal for automotive, marine, small engine, HVAC and industrial technicians. Test leads, protective holster, instructions and installed 9V battery included.



BK **700-2601**

See page 344 for specifications.



NAPA PRODiagnostics

TRUE BLUE™ 63 DELUXE AUTOMOTIVE DIGITAL MULTIMETER

A professional-grade tool for diagnosing electrical, computer and engine problems on any vehicle. Features 45 test ranges and 14 functions. Inductive RPM (DIS/standard ignitions) pick-up features a five-position, adjustable sensitivity switch. Dual display with analog bar graph/digital readings, built-in temperature readings, 10 meg/ohm input impedance, dual fuse protection, safety leads and jacks/built-in tilt stand. Two sets of test leads, RPM pick-up, temperature probe, protective holster, 9V battery, instruction manual and carrying case included.

BK **700-2603**

See page 344 for specifications.



NAPA PRODiagnostics

TRUE BLUE™ 64 PREMIUM DIGITAL MULTIMETER

Highest-quality auto-ranging multimeter for automotive troubleshooting, with 18 test functions and 48 ranges. Peak minimum/maximum mode records variations in all functions and transient voltages as fast as one millisecond. Temperature probe measures readings in both Fahrenheit and Celsius, and milliseconds pulse width measures fuel injector on time. Modern design with a protective holster built into housing. Also features inductive RPM readings for both DIS/conventional ignitions, 20-amp test range, dual fuse protection, data hold, automatic power-off and adjustable trigger. Large LCD display with white LED backlighting and 40-segment analog bar graph. Tests AC/DC voltage and current, resistance, temperature, RPM/DIS, milliseconds pulse width, dwell (direct), frequency, duty cycle, capacitance, diode and continuity. Test leads, k-type temperature probe, inductive RPM clamp, blow-molded case and instructions included.

BK **700-2604**

See page 344 for specifications.



TRUE BLUE™ RMS HEAVY-DUTY AUTOMOTIVE/ INDUSTRIAL MULTIMETER

Ideal for automotive or electrical applications, with peak, min./max. capture, frequency, resistance and much more. Hybrid 1,000V safe with built-in temperature readings for degrees Fahrenheit/Celsius. Features 10 test functions with 37 ranges, automatic power-off and ranging, data hold, continuity beep and overload protection. K-type temperature probe, nine-volt battery and carrying case included. Clamp Opening: 1.5".

BK **700-2605**

See page 344 for specifications.



TRUE BLUE™ 66 HIGH-CURRENT DIGITAL MULTIMETER PROBE

An ideal tool for high-current electrical troubleshooting and starting/charging diagnostics. Measures up to 1,000 amps AC/DC and has built-in temperature readings for degrees Fahrenheit/Celsius. Features 10 test functions with 37 ranges, automatic power-off and ranging, data hold, continuity beep and overload protection. Temperature probe, 9V battery and carrying case included. Clamp Opening: 1.5".

BK **700-2606**

See page 344 for specifications.

Non-Contact A/C Voltage Detector
Illuminates when electrical fields are present!



TRUE BLUE™ 31 AUTO-RANGING DIGITAL MULTIMETER

Non-contact voltage detector illuminates when electrical fields are present. Bright red light automatically shines for safety and convenience. 3-in-1 meter featuring non-contact voltage detector, LED flashlight and auto-range convenience – Hybrid 1,000V safe! Includes installed 9V battery and integrated test lead set and user manual.

BK **700-2607**

See page 344 for specifications.



ACTRON® DIGITAL MULTIMETER & ENGINE ANALYZER

This ingenious tool performs all standard electrical tests for on-car and bench troubleshooting, including tach, dwell, volt, ohm, and diode. Tests starting, charging, ignition and fuel delivery systems. Locates faulty wiring and components. Features extra-large, easy-to-read digital LCD, on-screen test lead connection reminder, automatic reverse polarity indication/zero adjust, overload protection on all ranges, and test lead holders on back of tool for convenient storage. Protective boot, detachable color-coded test leads, alligator clips and detailed instructions included.

BK **700-1841**



MINI VOM MULTITESTER

Pocket-sized multitester. Ideal for home, shop, auto and school use. Features five functions, 13 positions, 2,000 ohms/V DC/AC, single-knob function switch, safety test leads and instructions. Fuse protected. Size: 3⅝ in. x 2⅜ in.

Specifications

Voltage Range AC/DC: ..... 0-10-50-250-1,000 V
Sensitivity: .....2,000 ohms/V
Current Range: .....DC: 0-100 MA
Resistance Range: RX10, RX1K

BK **700-1524** Mini VOM Multitester
BK **782-1632** Fuse

	BK 700-1844	BK 700-1843	BK 700-1803	BK 700-1845	BK 700-1847	BK 700-1846	BK 700-2604	BK 700-2606	BK 700-2605	BK 700-2603	BK 700-2602	BK 700-2607	BK 700-2601
Basic Features	Fluke 87-V PREMIUM	Fluke 88V Kit PREMIUM	Fluke 83-V PREMIUM	Fluke 88V PREMIUM	Fluke 77-4 BEST	Fluke 115 BEST	NAPA BEST	NAPA BEST	NAPA BEST	NAPA BETTER	NAPA GOOD	NAPA GOOD-DIY	NAPA GOOD-DIY
True RMS Readings	AC	—	—	—	—	AC	—	—	AC	—	—	—	—
Basic DC Accuracy	0.05%	0.15%	0.1%	0.15%	0.3%	0.5%	0.5%	1.5%	1.2%	1.2%	0.5%	0.5%	0.5%
Wide Bandwidth	20kHz	—	—	—	—	—	—	—	—	—	—	—	—
Auto/Manual Ranging	•	•	•	•	•	•	•	•	•	•	•	•	—
Digits	4½	4½	3½	4½	3½	3½	3½	3½	3½	3½	3½	3½	3½
Counts	20000	20000	4000	20000	6000	6000	4000	4000	4000	3200	4000	2000	2000
Measurements													
Voltage AC/DC	1000V	1000V	1000V	1000V	600V	600V	600V	600V	1000V	1000V	1000V	600V	1000V
Current AC/DC	10A	10A	10A	10A	10A	10A	20A	1000A	20A	20A	10A	200mA	10A
Resistance	50MΩ	50MΩ	50MΩ	50MΩ	50MΩ	40MΩ	40MΩ	40MΩ	40MΩ	32MΩ	40MΩ	20MΩ	20MΩ
Frequency	200kHz	200kHz	200kHz	200kHz	100kHz	50kHz	40MHz	100kHz	10MHz	21kHz	10MHz	—	—
Capacitance	10mF	10mF	10mF	10mF	10mF	10mF	40mF	100µf	40mF	—	100µf	—	—
Temperature	+2000°F	+2000°F	—	+2000°F	—	—	+1832°F	+1832°F	+1400°F	+1400°F	+1400°F	—	—
Conductance	50nS	50nS	50nS	50nS	—	—	—	—	—	—	—	—	—
Duty Cycle/Pulse Width	•	•	•	•	—	—	•	•	—	•	•	—	—
RPM/Dwell	—	•	—	•	—	—	•	—	—	•	•	—	—
Continuity with Beeper	•	•	•	•	•	•	•	•	•	•	•	•	•
Diode Test	•	•	•	•	•	•	•	•	•	•	•	•	•
10 Meg ohm Input	—	—	—	—	—	—	•	7.8MΩ	•	•	•	>7.5MΩ	•
Display													
Analog Bar Graph	•	•	•	•	•	•	•	•	•	•	—	—	—
Backlight	•	•	•	•	•	•	•	•	•	•	•	•	—
Data Storage and Exchange													
Min. - Max. Recording	•	•	•	•	•	—	•	—	•	—	—	—	—
Fast Min. - Max.	250µs	250µs	—	250µs	—	—	1mS	—	—	—	—	—	—
Display Hold/Auto (Touch) Hold	•	•	•	•	•	•	•	•	•	•	—	•	—
Relative Reference	•	•	•	•	—	—	—	—	•	—	•	—	—
Other Features													
Overmolded Case, Integrated Holster	—	—	—	—	•	—	•	•	•	•	—	—	—
Removable Holster	•	•	•	•	—	•	—	—	—	—	•	—	•
Toolpack -Magnetic Hanger Compatibility	•	•	•	•	•	•	—	—	—	—	—	—	—
Closed Case Calibration	•	•	•	•		•	—	—	—	—	—	—	—
Separate Battery Door	•	•	•	•	•	•	•	•	•	•	•	•	•
Completely Sealed/ Watertight	—	—	—	—	•	—	•	—	•	•	—	—	—
Automatic Power Off	•	•	•	•	•	•	•	•	•	•	•	•	—
Low Battery Indication	•	•	•	•	•	•	•	•	•	•	•	•	—
Operating Temperature Range	-4° - 130°F	-4° - 130°F	-4° - 130°F	-4° - 130°F	14° - 120°F	14° - 120°F	32° - 122°F	14° - 122°F	41° - 104°F	32° - 122°F	32° - 122°F	32° - 104°F	32° - 122°F
Carrying Case	—	•	—	—	—	—	•	•	•	•	—	—	—
Warranty and Electrical Safety													
Limited Lifetime Warranty	•	•	•	•	•	—	—	—	—	—	—	—	—
Warranty (Years)	—	—	—	—	—	3	1	1	1	1	1	1	1
Input Alert	•	•	•	•	—	—	—	—	—	—	—	—	—
Dangerous Voltage Indication	•	—	•	—	•	•	•	•	•	•	•	—	—
CAT II Measurements	—	—	—	—	1000V	—	—	—	—	—	1000V	—	600V
CAT III Measurements	1000V	1000V	1000V	1000V	600V	600V	1000V	600V	1000V	1000V	600V	1000V	—
CAT IV Measurements	600V	600V	600V	600V	—	—	600V	—	600V	600V	—	600V	—

AMP HOUND



No need to remove a fuse, which reduces the amount of time to determine the current in the circuit. Finding parasitic drains can now be done without removing a fuse or resetting the offending circuit. No more - pull a fuse, check the meter, pull a fuse - check the meter... instead, check the complete fuse box quickly. Intelligent audible tones and digital display. Active circuit displays amp value and unit beeps three times. Inactive circuit displays (000) and beeps continuously. Open or blown fuse will not beep and displays (---). Operating voltage: 6, 12, 24 Volt DC. Connector Type: Banana Jacks (4mm). Fuse Amp rating: 5, 7.5, 10, 15, 20, 25, 30 Amp (ATM / ATC) / 30, 40, 50 Amp (Maxi). Accuracy: + / - 5% of Display. 3 x AA Batteries (Not Included). Contents: (1) unit, (2) test leads and (1) nylon pouch.

SER **74**

QUICK RIPPLE TESTER



Ripple tester is designed to easily and efficiently test alternators for a variety of issues through the DC Cord outlet in the vehicle (cigarette lighter). In many vehicles the alternator is in a difficult to access location. Tests the alternator, diode, stator, intermittent diode or stator. Plug into DC port and count number of flashes to pinpoint exact problem. It cuts alternator diagnostic time drastically. Contents: (1) unit, (1) storage pouch.

SER **73**

RELAY CIRCUIT TESTER



Not simply a relay tester, but a tester capable of testing the entire circuit through the function while also being able to determine if the relay is good or bad. The unique tester gives the technician the ability to test all wiring in a suspected circuit, thus identifying specifically where there is a problem and if the wiring or component part, or if relay itself is malfunctioning or defective. All of this is done by pressing a button. There is no need for the technician to have to use a multi-meter. Shortens the time needed by technician to diagnose simple electrical problems and make jobs more profitable. Since item has ability to jump a relay, the technician can also do an A/C charge from the relay by activating the compressor. May also do compression testing by activating the starter relay; even check turn signals or lights from front of car. 12 / 24 Volt DC. Connector Type: Power Clip Jaws, Diagnostic Socket.
Contents: (1) Unit, (6) Relay Leads, (1) Universal Relay Lead, and (1) Blow-molded Case.

SER **76**

FLUKE® RPM 80 INDUCTIVE PICK-UP



Use with Fluke to measure RPM on conventional and distributorless (DIS) ignition systems. Clips over spark plug wires quickly and easily. Also used as a replacement pickup for Fluke 88.

BK **700-1830**

FLUKE® 80 SERIES MULTIMETER DIGITAL DISPLAY UPGRADE KIT



This kit is intended to correct intermittent segment loss that can occur over time in certain 80 Series LCDs. In addition, the kit upgrades the display to a bright white.

BK **700-2345**



BK **700-9613**



BK **700-9619**



BK **700-9622**



BK **700-9623**

FUSES

Replacement fuse ensures proper protection for Fluke DMMs multimeters.

Item No.	Description
BK **700-9613**	630 mA Current Rating, 250 Volt AC
BK **700-9619**	15 Amp Current Rating, 600 Volt AC
BK **700-9622**	11 Amp Current Rating, 1,000 Volt AC
BK **700-9623**	440 mA Current Rating, 1,000 Volt AC

TPAK METER HANGING KIT



Kit includes universal hanger clips (two), hook-and-loop straps (two lengths), adapter and strong magnet. Combine components to meet most hanging needs. Attaches to back of 110, 170, 180, and 89 Series IV meters, Fluke 725 Process Meter, 50 Series thermometers and 20/70 Series III (w/adapter).

BK **700-2343**

FLUKE® METER HARD STORAGE CASE



Holds all Fluke handheld meters and accessories in one convenient case.

BK **700-1827**

FLUKE®



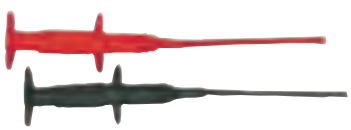
RUBBERIZED FLUKE® METER SOFT CASE
For Fluke handheld meters. Two inside pockets for test leads and small accessories.
BK **700-1828**



THERMOCOUPLER/ THERMOMETER ACCESSORY
Converts any 10 megohm DMM into a thermometer via standard banana plugs.
BK **700-1806**



K-TYPE THERMOCOUPLE PROBES
K-type thermocouple can be used with the *BK* **700-1806** thermocouple accessory. All are equipped with industrial-standard, mini-thermocouple plug.
BK **700-1807**



PEN-GRABBER TEST CLIPS
For use with test points in close contact areas.
BK **700-9604**



INDUSTRIAL TEST CLIPS
Spring-loaded alligator clips with a wide 3/4 in. low opening.
BK **700-9602**



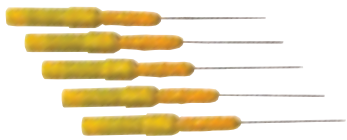
LARGE LOW ALLIGATOR CLIPS
Recommended for use with automotive, marine, aviation and low-voltage industrial circuits.
BK **700-9605**



INSULATION PIERCING CLIPS
Pierces insulated wires for otherwise inaccessible test points.
BK **700-9606**



INDUSTRIAL TEST PROBES
Very sharp, extra-long tips for reaching deep test points or recessed component leads.
BK **700-9611**



AUTOMOTIVE BACK PROBE PINS
Set of five probes with flexible stainless steel pins for access between automotive wire insulation and weather pack seals. Compatible with all test leads with standard, 4mm shrouded banana plugs. Yellow vinyl and poly-propylene housing material. One-year warranty. Made in the USA.
BK **700-2344**



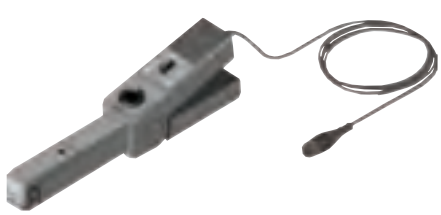
PRESSURE/VACUUM MODULE
Measures fuel, oil and transmission pressure or engine vacuum. Highly-accurate pressure transducer measures from 0.5 to 350 psi (3.447 to 2413 kPa and 0 to 29.9" Hg; 0 to 76cm Hg.) Compatible with any automotive fluid, such as oil/ coolant, or any gas, such as R-12, R-134a.
BK **700-2342**



FLEXIBLE TEST LEADS
Set of one red and one black. Compatible with all DMMs that accept safety-shrouded inputs.
BK **700-9608**



FIVE-WAY MULTI-POINT TEST LEAD SET
Industry-standard test lead set for telecom and automotive applications.
BK **700-9609**



AC/DC CURRENT PROBE
Measures low current with-out breaking the circuit. BNC connector allows direct connection to Fluke Automotive ScopeMeters. A BNC-to-banana plug adapter (available separately) is required for use with Fluke 87 or 88 DMM. Range: 100 mA to 100 Amps with ±4% basic accuracy.
BK **700-2341**

PIN-TYPE ELECTRICAL BACK PROBE KIT



Helps take voltage or signal measurements by back probing connectors without damage. No need to disconnect connector and terminal. Kit contains five different color probes for easy identification.

SER **490N**

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FLUKE® CLAMP-ON AC/DC CURRENT PROBES



Item No.	Description
BK **700-1804**	Converts any 10 meg ohm DMM into a 400 amp clamp-on amp meter.
BK **700-1805**	Converts any 10 meg ohm DMM into a 1,000 amp current meter.

FLUKE® TWIN LEAD KIT



Two color-coded, red and black wire leads with clips. Use for jumping any part of the electrical system. 30-inches long.

BK **700-1300**

FLUKE® TEST LEAD SET



Right-angle test leads with safety-shrouded banana plugs.

BK **700-9610**

OTC® TEST LEAD SET



Standard 48" leads with screw-on alligator clips.

BK **700-2137**

ACTRON® HIGH-VISIBILITY TEST LEADS



Constructed of high-quality polyurethane, these high-visibility, coiled-cord test leads have superior memory retention and resistance to grease/oil, making them the perfect compliment to any technician's arsenal of test equipment. Includes a variety of interchangeable tips suited for every application.

Twin five-foot multimeter lead set. Expand the usefulness of any standard multimeter. Includes one black and one red test lead, two-multimeter probes, two banana plugs and four alligator clips.

BK **700-2434**

WIRE TEST LEADS



Retractable leads are designed for testing electrical circuits. Leads pull out and stay at desired length and can be rewound into the case when not in use. Features insulated alligator clips.

Item No.	Gauge	Length	Lead Colors
SER **1129**	18 ga	10'	Green, Red, Black
SER **1137**	18 ga	30'	Red, Black

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7 PC. RETRACTABLE TEST LEAD SET W/ BANANA PLUGS



Retractable test leads pull out and stay at desired length. Just rewind when not in use. Can be used with any multimeter or other device. Comes equipped with standard banana jack connectors. Insulated, 18-gauge copper wire allows for 10 amp (fully unwound) and 6 amp (wound) maximum. With 15' leads, you can connect in various locations and test from the driver's seat.

SER **1176**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

OTC

OTC® ONBOARD DIAGNOSTICS PROFESSIONAL MEMORY SAVER

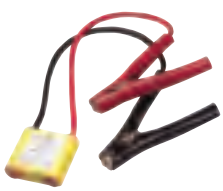


Saves vehicle's onboard diagnostic memory and other memory components when the vehicle's battery is removed or disconnected. Retains memory for anti-theft radios, digital clocks, radio presets, seats, mirrors, comfort settings, etc. OBD2 cable included for fast connection, and a cigarette lighter adapter for vehicles that do not have an OBD2 connector. LED lights confirm circuit between cigarette lighter/power outlet and the vehicle's battery with the ignition on or off. State-of-charge indicator informs when it is time to recharge. Re-settable fuse protects against excessive current draw, through either the OBD2 connector or cigarette lighter. Features high-capacity, rechargeable battery for extended service between charges.

BK **700-6112**

OTC

ANTIZAP AUTO SURGE PROTECTOR



Service a vehicle safely without disconnecting the battery. Simply clip the booster clamps to the battery and wait for the green light. While the green light is illuminated, the vehicle's onboard electronics are protected from surges and spikes. Protects stereo and electronic memories. Designed for 12 Volt DC systems. Fully insulated booster clamps. 18" cable length.

NOTE: Red light indicates NO Anti-Zap protection.

BK **700-3129**

NAPA PRODiagnostics

AUTOMOTIVE COMPUTER MEMORY UNIT



Prevents memory loss on digital radios, clocks, door locks, etc. when disconnecting vehicle battery. Easy to use - simply plug into cigarette lighter. Use with a 9-volt alkaline battery (not included). Contains internal diode for longer 9-volt battery life.

BK **782-1609**

NAPA Service Ready

MEMORY SAVER W/LIGHT



Saves memory settings from under the hood, replacing traditional memory savers that require power outlets (which no longer provide protection on newer vehicles as the outlet is switched). While the battery is unattached, use the unique wire insulation-piercing tip on the red (positive clamp) to connect the memory saver to the main positive battery cable and the black clamp to a ground source. Light illuminates to indicate proper connection. Clamps may also be used on the back of the battery terminal connector. Connect a fully charged nine-volt battery (not included) and the vehicle is protected. Cord Length: 3 ft. Shipping Weight: 4 oz.

SER **77-4036**

OTC

TERMINAL TEST KIT W/CIRCUIT TESTER



Four-piece standard terminal adapter set for the popular Packard Weather Pack, Metri-Pack, and Micro-Pack style connectors. External/internal version of adapter styles. Circuit tester with bulb for 6-, 12-, and 24-volt systems with interchangeable probes for use with terminal test adapters. Heavy-duty coil extends to 12 feet. Adapters have flexible joints, which eliminate damaged connector terminals resulting from testing with a standard probe.

BK **700-2036**

NAPA PRODiagnostics

FUSE BUDDY CIRCUIT TESTER



The Fuse Buddy can test circuit currents up to 30 amps/48 volts. Resolution .01A (10 milliamps), accuracy+ 2%. Clever design allows for easy connection into fuse sockets. Fuse Buddy ends are molded into the shape of the fuse itself. During testing the fuse is removed and replaced into the Fuse Buddy. This way, the circuit being tested maintains fuse protection. The Fuse Buddy stays put and won't fall out of the socket, like test probes do. Can even be used to test for parasitic drains.

BK **700-3305**

Item No.	Description
BK **782-3305**	20A For Mini Fuses
BK **782-3307**	20A For ATC Fuses
BK **782-3308**	30A Mini Fuse Tester
BK **782-3309**	30A ATC Blade Fuse Tester

NAPA PRODiagnostics

FUSE BUDDY DMM ADAPTERS





Adapters can measure as high as 20 amps/48 volts. Multi-meter amp range determines maximum current range. Accuracy determined by DMM.

BK **782-3304**

BK **782-3306**

Item No.	Description
BK **782-3304**	20A For Mini Fuses
BK **782-3306**	20A For ATC Fuses

NAPA PRODiagnostics

SHORT FINDER



Quickly and inexpensively locate shorts in all automotive electrical circuits 6-36 volts. Eliminates need to remove upholstery and floor coverings. Operates through metal posts panels, etc. Simply hook-up to affected fuse posts, and induction-type needle indicator pinpoints short. Schematic included.

BK **700-1084**



POWER PROBE™ IV CIRCUIT TESTER

Power Probe IV diagnostic electronic circuit and component tester supplies battery power and ground. Featuring gold-plated 4mm banana jack, easy-to-read large color LCD screen with easy to navigate user menu, AC/DC voltmeter, ohmmeter, frequency, pulse width (positive and negative) and additional diagnostic modes: fuel injector tester, PCM/ECM driver tester and ECT2000 Signal Tracer (sold separately). Supplies power and ground for functional component testing. Fuel injector tester for easy circuit diagnosis. Digital volt and ohmmeter for circuit testing. AC-RMS, AC Peak-To-Peak, Frequency and pulse width for signal testing. PCM/ECM driver supplies safe voltage for testing computer driver circuits. 23' battery power supply cable length. Bright white LEDs flashlight for increased visibility. Self-resetting and replaceable circuit breaker. Ergonomic handle design.

Applications: Electronic Circuits, ECM / PCM Driver, Fuel Injectors, Signal Tracing, Power, Ground, Components.

Contents: (1) Probe Meter, Cables, (1) Manual and (1) Case.

BK **700-2930**



POWER PROBE™ CIRCUIT TESTER

High current power supplies. Automatic meter range function, power and ground feed tester, high impedance diagnostic circuit tester with high functioning digital volt ohmmeter and advanced diagnostic tester modes. Adjustable circuit breaker, audio tone, mute, voltage drop detection, back lit screen, bad ground indicator, continuity tester, flashlight Leeds, hot shot load tester, 4 mm standard banana jack, apply power, apply ground, relay tester; Short circuit indicator, smart tip technology, high impedance test light, voltage reference, amp meter, amp meter min / max, ohm meter, ohm meter min / max, peak to peak, peak to peak min / max, duty cycle, pulse width, pulse counter, arc detect; Fused cable protection, aux, ground fuse protection, dual meter mode, injector tester, save preferences, switch mode, dual display current and resistance. 20' Jumper lead. 10 Gauge hook up cables.; .001 Ohms - 15 MOhms resistance, .001 - 99.99 Amps range, 25 Amp continuous load, 65 Amp for 89 seconds intermittent load. 12-48 Volt DC.

BK **700-2921**



POWER PROBE™ CIRCUIT TESTER

Power supply to activate electronic components, power and ground feed tester, high impedance circuit tester with digital voltmeter and diagnostic tester modes. Resettable circuit breaker, replaceable switch, audible monitoring, audio tone; Mute button, voltage drop detection, back lit screen, bad ground indicator, continuity tester, flashlight LED's, 4 mm standard banana jack, apply power, apply ground, relay tester, short circuit indication, high impedance test light, volt meter; Volt meter min / max, peak to peak, peak to peak min / max. 20' Jumper lead, 18 gauge hook up cables. 8 Amp max continuous load, 25 Amp for 2 seconds max intermittent load. 12 - 24 Volt DC voltage range up to 70 Volt AC / DC.

BK **700-2922**



POWER PROBE™ CIRCUIT TESTER

This power probe master kit includes a complete PPLS01 (*BK* **700-2924**), ECT2000 Kit and PP319FTC Kit. This is the master technicians choice. Resettable circuit breaker, replaceable switch, audible monitoring, audio tone, mute button, voltage drop detection, back lit screen, bad ground indicator, continuity tester, LED flashlight, 4mm standard banana jack, apply power, apply ground; Relay tester, short circuit indication, high impedance test light, volt meter, volt meter min / max, peak to peak, peak to peak min / max, unparalleled connectivity, signal injection, signal trace, signal isolator, open indicator, short indicator; Bi-directional trace indicator, power probe III compatibility. 12 - 42 Volt DC voltage range up to 70 Volt AC / DC.

BK **700-2923**



POWER PROBE™ CIRCUIT TESTER

Power supply to activate electronic components, power and ground feed tester, high impedance circuit tester with digital voltmeter and diagnostic tester modes. Resettable circuit breaker, replaceable switch, audible monitoring, audio tone, mute button, voltage drop detection, back lit screen, bad ground indicator, continuity tester, LED flashlight, 4 mm banana jack, apply power, apply ground, relay tester; Short circuit indicator, high impedance test light, volt meter, volt meter min / max, peak to peak, peak to peak min / max, 20' jumper lead, 18 gauge hook up cables. 8 Amp max continuous load, 25 Amps for 2 seconds max intermittent load. 12-24 Volt DC voltage range up to 70 Volt AC / DC.

BK **700-2924**

FEATURES	*BK* 700-2921	*BK* 700-2922	*BK* 700-2923	*BK* 700-2924
Standard Banana Jack (4-mm)	✓	✓	✓	✓
Apply Ground Function	✓	✓	✓	✓
Apply Power Function	✓	✓	✓	✓
Audio Tone	✓	✓	✓	✓
Audible Monitoring		✓	✓	✓
Backlit Screen	✓	✓	✓	✓
Bad Ground Indicator	✓	✓	✓	✓
Continuity Tester	✓	✓	✓	✓
Flashlight LEDs	✓	✓	✓	✓
High Impedance Test Light	✓	✓	✓	✓
Mute	✓	✓	✓	✓
Peak to Peak	✓	✓	✓	✓
Peak to Peak Min/Max	✓	✓	✓	✓
Relay Tester	✓	✓	✓	✓
Short Circuit Indicator	✓	✓	✓	✓
Voltage Ready 12-48 VDC	✓			
Voltage Reference	✓			
Volt Meter	✓	✓	✓	✓
Volt Meter Min/Max	✓	✓	✓	✓
Voltage Drop Detection	✓	✓	✓	✓
20' Jumper Lead	✓	✓	✓	✓
1-3-6 foot 10 Gauge Gold Plated Leads			✓	✓
Auxiliary Power Adapter-12V			✓	✓
Piercing Probes- Large and Small			✓	✓
Resettable Circuit Breaker	✓	✓	✓	✓
Adjustable Circuit Breaker	✓			
Amp Meter	✓			
Arc Detect	✓			
Aux. Ground Fuse Protection	✓			
Dual Display Current & Resistance	✓			
Dual Meter Mode Voltage & Resistance	✓			
Duty Cycle	✓			
Fused Cable Protection	✓			
Hot Shot Load Tester	✓			
Injector Tester	✓			
Amp Meter Min/Max	✓			
Ohm Meter	✓			
Ohm Meter Min/Max	✓			
Pulse Counter	✓			
Pulse Width	✓			
Save Preferences	✓			
Smart Tip Technology	✓			
Selectable Switch Mode	✓			
Directional Trace Indicator			✓	
Open Indicator			✓	
Short Circuit Indicator			✓	
Testing for Isolated Circuits			✓	
Signal Receiver			✓	
Signal Transmitter			✓	
Storage Case	✓		✓	✓
Power Probe III Compatibility	✓	✓	✓	✓



MINI CIRCUIT TESTER
Locate and troubleshoot hot/primary circuits on all 6- and 12-volt systems. Heavy-duty lead and stainless steel probe for fast, safe and accurate low-voltage testing. Small, ergonomic design for use in tight areas. Needle-sharp, stainless steel probe for easy wire piercing. Coil-cord, 12-foot test lead made from durable, high-visibility, heat- and oil-resistant material. Threaded probe to add other screw-on type accessories. Bright, high-intensity bulb for easy visibility. Molded strain relief at both ends prevents broken wires. Heavy-duty clip.

BK **700-2437**



HEAVY-DUTY COILED-CORD CIRCUIT TESTER
Locate and troubleshoot hot/primary circuits on all 6- and 12-volt systems. Heavy-duty lead and stainless steel probe for fast, safe and accurate low-voltage testing. Coiled-cord, 12-foot test lead, made from durable, high-visibility, heat- and oil-resistant material. Bright, high-intensity bulb for easy visibility. Molded strain relief prevents broken wires. Heavy-duty clip.

BK **700-2438**



HEAVY-DUTY LOGIC PROBE TESTER
Multi-functional design allows testing range of 3-26 volts. Bright red and green LEDs interpret voltage signals, such as ground, power and frequency. Tests fuel injectors, solenoids, presence of serial data and tach reference signals. Output tests on MAF, cam, crank, Hall Effect VRS sensors and more. High-impedance input compatible with computer circuits and sensors. Air bag safe. 12-foot, heavy-duty, twin-clip, red coil-cord lead. Checks 6-,12-, and 24-volt systems. Ergonomic, slim-design, clear handle. Positive contact-molded strain relief. Heavy-duty stainless steel probe with insulated shaft.

BK **700-2491**



HEAVY-DUTY CIRCUIT TESTER
Designed for testing electrical circuits and locating shorts, grounds and open circuits. Heavy-duty, stainless steel probe with insulated shaft. Checks 6- and 12-volt systems. Straight, heavy-duty, five-foot cord. Ergonomic, slim-design, clear handle. Bright red, slim-style replaceable bulb. Positive contact-molded strain relief. Heavy-duty clip with positive soldered connection.

BK **700-2492**



HEAVY-DUTY CIRCUIT TESTER
Long, seven-inch probe shank allows access to difficult-to-reach areas for testing electrical circuits and locating shorts, grounds and open circuits. Heavy-duty, 12-foot, red coil-cord lead. Checks 6- and 12-volt systems. Heavy-duty, stainless steel probe with insulated shaft. Ergonomic, slim-style, clear handle. Bright red, replaceable bulb. Positive, contact-molded strain relief. Heavy-duty clip with positive soldered connection.

BK **700-2493**



THE INVESTIGATOR™ LOGIC PROBE LIGHTED CIRCUIT TESTER
The perfect solution for circuit testing in dark recesses under the dash and hood. Features a convenient LED powered by the vehicle. Red or green LED instantly verifies power or presence of good ground connections. No ground source? No problem! Kit includes handy 12-volt battery adapter for use when the vehicle auxiliary power socket is not present or inoperable. Coiled cord extends to over 10 feet. Stainless steel shaft with pin-probe adapter and sturdy storage case make this a must-have for every technician's bay.

BK **700-1181**



CIRCUIT TESTER
Handy and inexpensive AC & DC current circuit tester spot checks 6 and 12 VDC systems locating shorts, grounds and open circuits. Maximum voltage range: 20 VDC.

BK **700-1069**



BATTERY-POWERED CIRCUIT TESTER
Troubleshoot with vehicle battery disconnected. Self-powered instrument tests circuits with power off. Traces open circuits, grounds & shorts. Can be used on cars, TV, radio, etc., by electricians, mechanics, hobbyists, etc. 3 ft. wire lead, 5¼ in. long. Battery not included.

BK **700-1070** Circuit Tester
BK **700-9503** Replacement Bulb



HEAVY-DUTY CIRCUIT TESTER
For use with high-voltage batteries in pleasure and recreational vehicles, such as heavy-duty autos, trucks, trailers, farm machinery, marine and other heavy-duty equipment. Checks AC or DC wiring up to 36 volts. Specially developed for 18-, 24-, and 36-volt battery and electrical systems. Checks series parallel switches and solenoids on tractor-trailer starter systems. Extra-long, 48-inch leads.

BK **700-1071** Circuit Tester
BK **700-9508** Replacement Bulb

LOW-VOLTAGE CIRCUIT TESTER
Quickly tests 6- and 12-volt systems. Locates shorts, grounds and open circuits. Use with power on. Extra-long, 48-inch lead.

BK **776-9070**





VOLT CIRCUIT TESTER
Capable of testing the continuity of 6, 12 or 24 volts. Includes insulated probe for access, alligator clip for solid grounding and a 12" cord for long circuit runs.

SER **3984** Circuit Tester
SER **3984-01** Replacement bulb



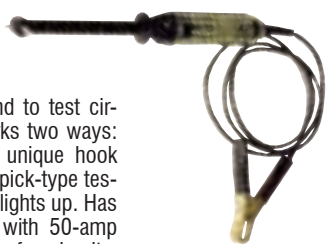
LOW-VOLTAGE CIRCUIT TESTER
Test for voltage in 6- and 12-volt systems by grounding the clip and touching the probe to the point being tested. The tester bulb will light if power is present.

BK **700-1074** Circuit Tester
BK **700-9594** Replacement Bulb



HEAVY-DUTY CIRCUIT TESTER
Best quality electrical tester available for checking 6- and 12-volt systems. Features heavy-duty ground clip and insulator. Five-feet of tough, flexible, heavily-insulated rubber wire is retained in spring-supported strain relief. Designed to withstand the most rugged use. Bulb is easily replaced (G.E. 3894 bulb).

BK **700-1437**



WIREHAWK® 12-24 VOLT CIRCUIT TESTER
Wirehawk® requires just one hand to test circuits in hard-to-reach areas. Works two ways: Captures and pierces wire with unique hook design, or can be used as an ice-pick-type tester. If circuit is live, bulb in handle lights up. Has 16-gauge, 44-inch ground wire with 50-amp clamp. Tests up to 15 volts. Use for circuits, connections, fuses, and two-cycle engine timing.

BK **700-2414**



CIRCUIT & SPARK PLUG TESTER
Quickly tests individual spark plug circuits on 6- and 12-volt systems. Locates shorts, grounds and open circuits. Use with power on. Extra-long, 48-inch lead.

BK **776-9071**



CIRCUIT TESTER PLIERS
Dual probe/computer safe/ polarity indicator tests low voltage (6-28 volts). Flip-out probe enables operator to check hard-to-reach connections, and can be flipped out of the way when not in use. Centering V design allows operator to penetrate the center of the wire every time. Safe for use on 12-volt automotive computer circuits. Draws less than 19 mA @ 12 V DC, and fits 16-gauge or smaller wires. Operating Range: 6-28 volts.

BK **77-4008**



RELAY PULLER PLIERS
Removes electrical relays on most domestic and import vehicles. Offset handle and thin tips allow easy access to relays in confined spaces. Specially-designed tips are angled to fit slots or edge of relay cover, allowing relay to pop free from socket with less chance of damage. Also useful for many heavy-duty and industrial applications.

SER **77-4023**



EVERCRAFT

6 PC. NOID LIGHT SET

Noid light set is used for checking electrical impulses from the wiring harness to the fuel injectors. Light features a see-through design to check electrical pulses. Includes GM TBI, GM SCPI, GM PFI, Ford TBI, Geo TBI and Bosch PFI. Comes in a sturdy blow-molded storage case and includes instructions and parts diagram. Designed for professional auto mechanics and heavy-duty applications.

BK **776-8081**



RELAY TEST JUMPER SET I

Includes four jumpers to fit the most popular size relays. For quick and easy test relays simply remove relay to be tested, insert jumper and insert relay into jumper.

SER **56810**

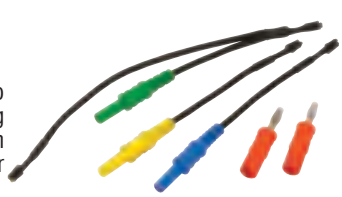
Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



RELAY TEST JUMPER SET II

Set includes four jumpers to fit many popular relays on Honda, Nissan, Toyota, newer Ford and GM mini micro relays as well as International trucks. Set comes in blow-molded case for storage. Simply remove relay to be tested, insert correct jumper and insert relay into jumper. When using gray four pin jumper be careful to align pins on jumper and relay correctly. No need to pierce wires or connect multiple jumper wires. Jumpers have tabs for clamping and flat pads to place test leads on.

SER **60610**



RELAY TEST JUMPER SET

For use with relay test jumpers to multimeter. Includes banana plug to pin probe adapter for use with pin probes. Provides access for clamp-on amp meter.

SER **69200**

NAPA PRODiagnostics



RELAY SHORTING PLUG KIT

Closes normally-open contacts and instantly determines which half of an output circuit is suspect, eliminating guesswork regarding which terminals to short. Stays securely in relay socket, leaving technician free to diagnose. Eliminates damage to relay socket as a result of probing. Works on all vehicles using standard four- and five-pin relays. Includes three adapters and fuses.

BK **700-2697**



EVERCRAFT

SPARK PLUG WIRE TESTER

No shock hazard! Locates bad plug wires without piercing the insulation.

BK **776-9074**



EVERCRAFT

6 IN. SPARK PLUG TERMINAL PLIERS

Safely disconnects wires from spark plugs, while preventing wire damage. Nylon construction insulates technician from shock and heat, providing both safety and comfort. Length: 6".

CAUTION: For intended use only. Relieve system pressure prior to use.

BK **776-9050**



THEXTON

COIL-ON PLUG IGNITION SPARK TESTER

Designed for ignition systems with coil-on plugs, including, Chrysler, Chrysler imports, Ford, Mitsubishi, Nissan, and more. As coil-on plug ignitions do not have plug wires, inductive test equipment cannot be used. Spark tester provides a quick way for technicians to test for no-start conditions and to measure available coil output. Tester features extended terminal and a longer collar, which plugs into coil boot and has a 12-inch ground wire with clip for convenience. Adjustable gap allows technician to preset spark tester for output being tested, from 0 to 40 kV. Safety shield included.

BK **700-2426**



THEXTON

ADJUSTABLE IGNITION SPARK TESTER

Tests for no-start conditions and spark strength on high-energy electronic ignition systems, as well as small engines. Screw assembly easily adjusts spark gap to accommodate the requirements of different ignition systems (0-40,000 V). Gauge background makes spark easy to see for accurate measurement and alligator clip securely fastens to ground.

BK **700-2015**



OTC



ELECTRONIC IGNITION SPARK TESTER

A quick way to check no-start vehicles for ignition problems. Simply disconnect the plug wire and connect it to tester. Clamp the tester to a good engine ground, crank the engine and watch for spark. Properly working electronic ignition systems will be able to jump a spark across the tester's spark gap (preset at 0.250 inches). *BK* **700-2456** is recommended for checking spark on DIS or EDIS applications. A good DIS or EDIS will fire two testers at once. Using two allows for checking individual coil packs (*BK* **700-2456**) may not work on point-type ignitions because they may not generate enough spark to jump the wide gap).

BK **700-2456**

OTC



AUTOMOTIVE INSPECTION CAMERA

Automotive inspection camera is ideal for inspecting cylinders, valves, diesel injectors and glow plug ports. Features an industry-leading 5.5mm camera. Allows technicians to inspect hard-to-reach areas that normally require taking an engine apart or removing body panels. Wireless display and ability to record images and video make this an ideal tool for any automotive, aviation or industrial technician.

Contents

- Video Scope
- Magnetic Display Mount
- Micro SD Card
- USB Cable
- Video Out Cable
- Rechargeable AA Batteries
- Battery Charger
- AC Power Adapter
- Xvid Codec Installation CD
- Case

BK **700-3698**

Raytek



AUTOPRO™ ST- 25 NON-CONTACT THERMOMETER

Base magnet and LED flashlight. Includes hard shell carrying case.

Specifications

Temperature Range: ..... - 25°-999°F (-32-535°C)
Distance to Spot Ratio: 16:1
Accuracy: ..... +/-1.0%
Target Indicator: ..... Laser - 2 dot
Power: ..... 9 V Alkaline
Response Time: ..... 500 ms
Tech's Choice - Feature: ..... SmartSight™ Dual Laser Sighting for optimal test distance

BK **700-1873**

Raytek



MINITEMP™ MT-6 INFRARED NON-CONTACT THERMOMETER

Specifications

Temperature Range: .... -20°-932°F (-30°-500°C)
Distance to Spot Ratio: 10:1
Accuracy: ..... +/-1.5%
Target Indicator: ..... Laser
Power: ..... 9 V Alkaline
Response Time: ..... 500 ms
Tech's Choice - Feature: ..... Holster included; Wide test range

BK **700-1842**

Raytek



MINITEMP™ MT-4 NON-CONTACT THERMOMETER

Specifications

Temperature Range: ..... 0-750°F (-18-400°C)
Distance to Spot Ratio: 8:1
Accuracy: ..... +/-2.0%
Target Indicator: ..... Laser
Power: ..... 9 V Alkaline
Response Time: ..... 500 ms
Tech's Choice - Feature: ..... #1 Seller; Affordable & Accurate

Item No.	Description
BK **700-1871**	Non-Contact Thermometer
BK **700-1872**	Carrying Pouch

Mastercool "World Class Quality"



INFRARED THERMOMETER W/ TARGET LASER

Compact design provides laser-targeting accuracy. Features enhanced, backlit LCD display and expanded temperature range of -58-932° F (50-500° C), with 12:1 distance to spot ratio. Powered by two, AAA batteries (included).

Specifications

Temperature Range: ..... -58° to 932° F
Distance to Spot: 12:1
LCD Display: ..... Backlit
Target Indicator: ..... Single Laser Spot
Power: ..... 180 hrs. Battery life/ power off after 15 sec.
Power: ..... Two AAA batteries (included)
Response Time: ..... 0.5 second

NTE **78-3871**

INFRARED THERMOMETER WITH LASER

Thermometer features an enhanced back-lit LCD display and an expanded temperature range of -36° F to 689° F. Compact design is simple to use and easy to store.



Specifications

Temperature Range: .....-36°-689° F
Operating Range: ..... 32° to 122° F
Distance to Spot: 12:1
Target Indicator: .....Single Laser Spot
Power: ..... 14 hrs. Battery life/
.....power off after 15 sec.
Response Time: ..... 1 second

SER **78-3880**

INFRARED POCKET THERMOMETER

Mastercool's pocket infrared thermometer offers accurate temperature measurement in a compact, easy-to-use size. Features backlit LCD display, adjustable emissivity and minimum/maximum capture mode.



Specifications

Temperature Range: ..... -67° to 428° F
Operating Range: ..... 14° to 122° F
Distance to Spot: 1:1
LCD Display:.....Backlit
Target Indicator: ..... Single Laser Spot
Power:.....40 hrs. Battery life/power off after 15 sec.
Response Time:.....1 second

NTE **78-3870**

INFRARED THERMOMETER



12V MAX* Lithium Ion Infrared Thermometer Kit

	DEW **DCT414S1**
Volts	12V MAX*
Temperature Range	-20º F to 932° F (-29° C to 500° C)
Field of View; Distance, Spot	(D:S) 12:1
Accuracy	+/-1.5% or +/- 1.5º C, whichever is greater, assumes ambient operating temperature
Charger/Batteries	Charger / (1) 12V MAX* Lithium Ion

CORDLESS INSPECTION CAMERAS



12V MAX* Lithium Ion (9 mm) Inspection Camera with Wireless Screen Kit



12V MAX* Lithium Ion (5.8 mm) Inspection Camera with Wireless Screen Kit

	DEW **DCT411S1**	*DEW* **DCT412S1**
Volts	12V MAX*	12V MAX*
Camera Head Diameter	9mm	5.8mm
Cable Length	3' waterproof	3' waterproof
Screen Size	3.5"	3.5"
Resolution	320 x 480 dpi	320 x.480 dpi
Zoom	3X	3X
Charger/Batteries	Charger / (1) 12V MAX* Lithium Ion	Charger / (1) 12V MAX* Lithium Ion
Includes	9mm - 3' camera cable, hook, magnet, & mirror	5.8mm - 3' camera cable



DIGITAL DIESEL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LCD display is easy to read from any angle, in light and dark environments. Uses standard 9 Volt DC battery for convenience and cost. Automatically shuts off after 3 minutes of non-use to conserve battery (memory is retained). Rubber boot protects the gauge from bumps and drops. Display values in PSI, Bar and kPa. Includes adapters for testing modern domestic diesel engines.

BK **700-2800**

Contents

Qty.	Description
1	Digital Compression Tester comprising of test gauge with rubber boot, 15" (380mm) long, high pressure hose, and female quick release coupler
1	Adapter, Injector (2003-99 Dodge 24-Valve 5.9 L. Cummins/5.9 L. Cummins ISB & ISBE)
1	Injector Adapter (1998-Earlier Case/Cummins Series B 2.9/3.9/5.9 L)
1	Glow Plug Adapter (1985-78 GM 4.3/5.7 L.; 1994-Earlier Navistar 6.9/7.3 L.)
1	Glow Plug Adapter (GM 6.2/6.5 L. V8)
1	Glow Plug Adapter (2003-94 Ford/Navistar 7.3 L. Power Stroke)
1	Glow Plug Adapter (Volkswagen 1.9 L. TDI)
1	Right Angle Adapter
1	Custom molded case
1	User Manual (English, French, Spanish, German)



Mityvac

DIGITAL COMPRESSION TEST KIT

Stores maximum compression value for up to 12 cylinders. Backlit LC display is easy to read from any angle and in any light. Uses standard 9V battery for convenience and cost. Automatically shuts off after 3 minutes of non-use (memory is retained). Rubber boot protects the gauge from bumps and drops. Sealed, grease- and oil-resistant gauge face prevents contamination of electronics. Displays values in PSI, Bar and kPa.

BK **700-2801**

Contents

Qty.	Description
1	Digital compression tester comprising of test gauge with rubber boot, 10" (250mm) high-pressure hose and female quick-change coupler
1	14mm standard reach thread x 6.5" (165mm) hose adapter
1	14mm standard reach thread x 12" (305mm) hose adapter
1	14mm reach thread x 12" (305mm) hose adapter
1	18mm standard reach thread x 12" (305mm) hose adapter
1	18mm reach male thread x 14mm standard reach female thread plug adapter
1	16mm male thread x 14mm standard reach female thread plug adapter
1	10mm male thread x 14mm standard reach female thread plug adapter
1	12mm male thread x 14mm standard reach female thread plug adapter
1	Air hold adapter
1	Field service kit
1	Custom-molded case
1	User manual (English/French/Spanish/German)

Actron precision electronic solutions

HEAVY-DUTY COMPRESSION TEST KIT



The complete test kit for the professional mechanic! Extremely accurate, bronze phosphorus, bourdon tube, 2" polished-chrome gauge and screw-on, impact-resistant lens. Also features quick-disconnect release valve for fast rechecks and a handy, high-impact carrying case. Comes with chrome long-reach adapters (10mm, 12mm, 14mm, 18mm). Tests cylinder compression, worn piston rings and blown head gaskets. Compression: 0-300 PSI/ 0-30 lbs.

BK **700-1586**

COMPRESSION TESTER, GASOLINE



Features & Benefits

Tests compression on vehicles with gasoline engines including mini engines, heavy duty hoses & adapters. Gauge includes protective rubber boot. Comes in protective case w/compartments.

Specifications

Engine Fuel Type: ..... Gasoline
Compression Tester Adapter Size: M10, M12, M18
Compression Tester Gauge Size: ..... 2½"
Contain Pressure Relief Valve: ..... Yes
Contain Quick Release Coupler: ..... Yes
Flexible Hose: ..... Yes
Includes Extensions: ..... Yes

SER **TU30A**

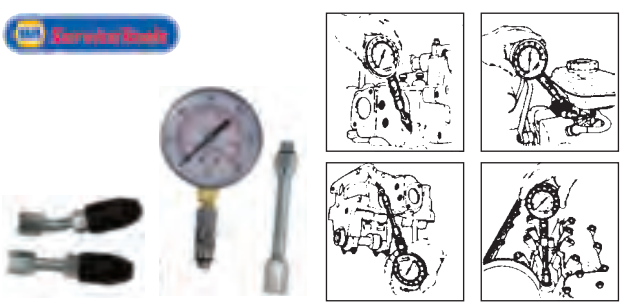
Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools



COMPRESSION TESTER

Set includes storage case, compression gauge with protective boot, one extension, two hand-held adapters and a special air-hold valve for easy reset. Features gauge checks up to 300 psi and flexible line with three brass adapters. Adapter Size: 10mm, 12mm, 14mm.

SER **3469**



UNIVERSAL COMPRESSION TESTER KIT

This versatile kit provides a quick method to obtain cylinder compression pressure on engines with deep, recessed spark plugs and difficult access. A special air-hold valve is included for easy resetting of the gauge, which is graduated from 10 to 300 psi (0 to 21kg/cm2). Gauge assembly includes pressure relief valve.

CAUTION: Do not use with engine running. For intended use only.

SER **3305**

CHARGING & STARTING

Battery Chargers 370-378
Battery Service Tools 384
Battery Testing Equipment 358-369
Booster Cables 383-384
Jump Starters 379-382

NAPA BATTERY TESTERS

MULTI-TASKING BATTERY & ELECTRICAL SYSTEM DIAGNOSTIC STATION



The *NBT* **GR8-1200** Multi-Tasking Battery and Electrical System Diagnostic Station combines the diagnostic charging expertise of the GR8 with EXP Battery and Electrical System Diagnostics to create a complete, flexible and expandable diagnostic station. The *NBT* **GR8-1200** features the Multi-tasking Bridge, which allows the user to perform battery and electrical system diagnostics on another vehicle while the charger is in use. When the GR8 finishes the charging job, the Multi-tasking Bridge provides LED and audible alarms so that you can wirelessly send the results from the bridge to the controller to view or print.

EXP Controller Provides:

Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve battery diagnostics
- Advanced Electrical System Diagnostics, Featuring Digital Signal Processing (DSP) - Provides the ability to analyze the amplitude level and frequency of the ripple pattern for improved accuracy and identification of open or shorted diodes an open-phase conditions
- Provides the ability to analyze the amplitude level and frequency of the ripple pattern for improved accuracy and identification of open or shorted diodes an open-phase conditions
- DMM capability for Advanced Diagnostics including AC/DC Volts, Volts/Amps Mode, Temperature, Ohm Meter, AC/DC Amps, Scope Mode & Diode Test

Diagnostic Charging Mode

- Quickly assesses deeply discharged batteries and recharges only the good ones
- Combines Dynamic Conductance Technology with advanced charge control for fast and accurate results
- Recovery charge mode for hard-to-charge batteries
- Multiple diagnostic/charging algorithms including AGM & AGM Spiral batteries
- ECM Power Supply Mode tests & charges battery - then maintains battery voltage at 13.5 volts for reliable ECM reprogramming and complex diagnostics
- Jump-Start Mode - Provides boost charge and 245 amp automated Jump-Start routine

While the GR8 is busy charging a battery, remove the EXP-1200 controller from the cart and take it to work on another vehicle or battery, even if it's on the other side of the garage. That means you can now more effectively multi-task in the garage and get more value out of one complete diagnostic station. From the main menu, when the diagnostic charging icon is highlighted, the EXP controller shows that the GR8 is in use. Selecting the diagnostic charging icon causes the EXP controller to communicate to the charger for a status report on the current charging session. After making the connection, the user can remotely check or monitor the charging session status and detail.

Item No.	Description
NBT **GR8-1200 AMP**	Includes EXP Controller, GR8 Diagnostic charger with built-in cart, Wireless Multitasking Bridge, (2) Serial Cables, Charging Cables, 10' Test Cables, Amp Clamp and Stud adapters
NBT **GR8-1200A KIT**	Includes everything in the NBT GR8-1200 AMP plus integrated printer
Optional Accessories	
NBT **A028**	DMM Leads
NBT **A126**	DMM Adapter and Probe Kit

BATTERY DIAGNOSTIC CHARGING STATION



The *NBT* **GR8-1000KIT** all-in-one portable battery diagnostic station offers intelligent, controlled, and rapid charging combined with battery state-of-health analysis. Routine maintenance checks are performed quickly and efficiently by identifying batteries nearing the end of their useful life before they fail.

Diagnostic Charging Mode

- Quickly and efficiently assess the condition of the battery

Power Supply Mode

- Maintains the battery state-of-charge during vehicle reflash programming and extensive service work

Jump-Start Mode

- 250 amp automated jump-start routine

Manual Mode

- User-defined charging parameters

Maximize Service Efficiency

- Integrated roll-around cart puts the controls at the user's level
- Recover batteries quickly & eliminate wasted time charging bad batteries
- Quickly service every vehicle

NBT **GR8-1100 KIT** Includes: EXP Controller, GR8 Diagnostic charger with built-in cart, Charging Cable, Stud Adapters and Integrated Printer

BATTERY DIAGNOSTIC STATION



- Fast, accurate and reliable, the GRX can determine in less than five minutes the difference between a recoverable battery and one that is not
- Each session is customized and highly controlled — charging stops as soon as a battery can be returned to the customer or is determined to require replacement
- Conditions batteries to reduce early life failures
- Easy to use with minimal training — intuitive, icon-based menus and step-by-step testing/charging
- Works with 6-volt and 12-volt vehicle batteries — regular flooded, AGM and Gel
- Integrated thermal printer enables you to print out reports for customer education and sales support
- 7-foot replaceable cables facilitate easy service in the field with minimal downtime
- Integrated temperature sensors in each cable improve safety

NBT **GRX-3000 KIT**

CHARGER UTILITY CART



- For use with *NBT* **GRX-3000KIT**
- Sturdy and durable – stands up to heavy shop use
- Secure battery compartment with solid glass door for added safety
- Lockable wheels offer portability for maximum shop efficiency

NBT **A067GRX**

CHARGER UTILITY CART



- For use with *NBT* **GRX-3000KIT**
- Sturdy and durable -- stands up to heavy shop use
- Allows for easy charging in car with the *NBT* **GRX-3000KIT**
- Shelf to set battery on for charging out of vehicle
- Lockable wheels offer portability for maximum shop efficiency

NBT **A268**

NAPA BATTERY TESTERS



BATTERY DIAGNOSTIC SERVICE SYSTEMS

The *NBT* **DSS-7000** Battery Diagnostic Service System broadens your service expertise by giving you the technology to service current and future vehicles The *NBT* **DSS-7000** Performs full battery and electrical system diagnostics and delivers more decisive results with fewer charge and retest decisions.

- Service for advanced vehicles, including start-stop and hybrids, as well as conventional vehicles
- Vehicle database-driven testing creates a service history for each vehicle tested, providing easy access to service records for technician and customer review
- Removable full-color tablet controller provides simple system navigation, detailed reference information, and test results easy to share with customers
- Service apps promote quick error-free testing – ideal for busy shops or inexperienced technicians
- VIN Capture - Automatically identifies the vehicle and battery, Providing battery location and related service information
- Advanced testing capabilities including more decisive results (less charge & retest), reserve capacity testing, and battery registration & reset functions
- Removable Full-Color Tablet Controller
- Automated Service Apps Enable Quick, Accurate Testing
- Database-Driven Testing - Creates service history for each vehicle
- Analyzes Battery Reserve Capacity
- Flexible Technology - Adaptable to future batteries and systems
- Battery Registration and Reset Support
- Full Color Test Results - Easy to share with customers either on-screen, by email, or full-size print out

Item No.	Description
NBT **DSS-7000**	Includes battery diagnostic service system base, 7" diagonal display removable tablet controller, 3-ft battery test cables & carrying case.
NBT **DSS-7000 AMP**	Includes battery diagnostic service system base, 7" diagonal display removable tablet controller, 3-ft battery test cables, amp clamp & carrying case.
NBT **DSS-7000 CVG**	Includes battery diagnostic service system base, 7" diagonal display removable tablet controller, 3-ft battery test cables, convergence/communication module (CVG) & carrying case.
NBT **DSS-7000 KIT**	Includes battery diagnostic service system base, 7" diagonal display removable tablet controller, 3-ft battery test cables, amp clamp, convergence/communication module (CVG) & carrying case.

HEAVY-DUTY BATTERY CONDUCTANCE & ELECTRICAL SYSTEM ANALYZER

Advanced System Analysis for Multiple Battery Vehicles

Created specifically for the heavy-duty commercial and fleet markets, the *NBT* **MDX-700P**/*NBT* **MDX-700** makes it easy for anyone to test the full electrical system on heavy-duty vehicles. Technicians can quickly find the problem in the battery, starting or charging system in minutes—not hours.

The MDX-700's 15-ft cable set enables starting and charging system tests to be run from the cab for complete control and simplicity. The analyzer's user-friendly interface intuitively prompts the technician through the entire test sequence quickly and easily.

Accurate Test Results for Multiple Configurations

Battery Pack Testing

- Test the pack with batteries connected for preventative maintenance testing routines
- Ensure vehicles are operating efficiently and help prevent expensive roadside breakdowns or towing
- Individual batteries (from one to six batteries in pack) may also be tested separately, with results for each battery displayed on the tester and the printout (when using optional printer *NBT* **A087** or the integrated printer on the *NBT* **MDX-700P**)

Starter/Alternator Testing

- Quick starter analysis without disabling the ignition
- Advanced menu-driven interface for a complete charging system analysis in seconds

Vehicle Applications

- Group 31
- Automotive
- Motorcycle
- Marine cranking
- Lawn and garden
- Commercial 4D/8D

Battery Types

- Regular Flooded
- AGM Flat Plate
- AGM Spiral
- Gel

Global Systems

- 6- and 12-volt batteries
- 12- and 24-volt charging systems
- CCA, CA, MCA, JIS#, EN, DIN, SAE, IEC

Additional Features

- Full test results, including multiple battery tests, can be printed on the integrated printer (*NBT* **MDX-700P** only)
- Multiple languages
- COUNTER information to track activity, including good vs. replace, batteries and system test results
- Large back-lit display keeps operation simple for all levels of users
- Data card reader for software upgrades
- 15-ft heavy-duty replaceable cable set allows running tests from the cab



NBT **MDX-700**



with Integrated Printer

NBT **MDX-700P**

Item No.	Description
NBT **MDX-700**	Heavy-Duty Battery Conductance and Electrical System Analyzer, 15-ft cable set with heavy duty clamps, lead stud adapter set, carrying bag
NBT **MDX-700P**	Includes the above, plus Integrated Printer
NBT **A260**	15-ft Replacement Cable with Heavy-Duty Clamps

NAPA BATTERY TESTERS

HYBRID BATTERY SYSTEM ANALYZER

Industry's First Battery Analyzer for Hybrid Vehicles

The *NBT* **HYB-1000**/*NBT* **HYB-1000 KIT** Hybrid Battery System Analyzer is a safe, easy-to-use, one-person testing tool that enables technicians to run a battery pack diagnostic routine while driving the vehicle. In addition to drive test capabilities, the *NBT* **HYB-1000** performs simple test code read/reset functions quickly for both standard and hybrid-specific trouble codes. This capability streamlines shop operations by freeing up comprehensive diagnostic systems for more complex vehicle evaluations.



The *NBT* **HYB-1000** provides technicians with the capability to perform battery service maintenance testing on several leading Hybrid vehicles. Simply connect the wireless convergence communication module into the vehicle's OBD2 diagnostics port and follow the menu instructions on the HYB.

The following test functions are available:
- 12 volt Auxiliary Battery Test
- DTC Code Reading
- DTC Code Reset
- Live Data – Run Chart
- Drive Test

The drive test uses live vehicle sensor information while performing an accelerated drive test. The technician can see live results on the tester while performing the test, and print the results to an IR printer *NBT* **A087** at the end of the test (*NBT* **HYB-1000 KIT** only).

The drive test provides the state of health (SOH) results for the battery pack:
- Pack OK
- Pack needs Service — low conductance
- Pack needs Service — out of balance
- Corrosion or connection issues between cells
- Weak cells that can be replaced
- Includes a bar graph showing relative indication of pack SOH
- Indicates when battery pack service is needed

Collected Data includes:
- Block Conductance (G) in Siemens
- % Block Conductance (G) Remaining
- Average Block voltage
- Voltage change from highest to lowest
- Average temperature of blocks in °F
- Temperature range of blocks in °F, from highest to lowest

Item No.	Description
NBT **HYB-1000**	Hybrid Battery System Analyzer Includes: HYB, wireless communication module, CVG wireless convergence module, 3-ft OBD2 extension cable, 4-ft battery test cables for auxiliary battery test, and A156 Tool Bag
NBT **HYB-1000 KIT**	Includes the above plus IR Printer

PROFESSIONAL BATTERY & ELECTRICAL SYSTEM ANALYZER



Dynamic Conductance Battery Testing Technology
- Combines direct temperature measurement with deep scan technology to improve battery diagnostics

Advanced Electrical System Diagnostics, Featuring Digital Signal Processing (DSP)
- Provides the ability to analyze the amplitude level and frequency of the ripple pattern for improved accuracy and identification of open or shorted diodes and open-phase conditions

DMM Functionality for Advanced Diagnostics
- AC/DC Volts, Volts/Amps mode, Temperature, Ohm meter, AC/DC Amps, Scope mode, Diode test
- Patented Conductance Cable Drop Test
- Interactive test routine using dual cable sets for more effective analysis of voltage drop across ground circuit, starter system and alternator system, or more generic system testing

Item No.	Description
NBT **ESP-1000**	Includes: Tester, Battery Clamps, Cable Verification Clamps, DMM Probes and Carrying Case
NBT **ESP-1000A**	Includes: Tester, Battery Clamps, Cable Verification Clamps, DMM Probes, Carrying Case and Amp Clamp
NBT **ESP-1000AKIT**	Includes: Tester, Battery Clamps, Cable Verification Clamps, DMM Probes, Carrying Case, Amp Clamp & Printer

BATTERY CONDUCTANCE & ELECTRICAL SYSTEM ANALYZER WITH INTEGRATED PRINTER



Dynamic Conductance Battery Testing Technology
- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness.
- Advanced preventative maintenance algorithms for identifying batteries as they approach end-of-life.

Advanced Electrical System Diagnostics Featuring Digital Signal Processing
- Digital Signal Processing (DSP) provides the capability to evaluate the spectral content of the alternator output voltage signal; adding the ability to analyze the amplitude level AND frequency of the diode ripple pattern for improved accuracy and identification of alternator problems such as open or shorted diodes and open phase conditions.

Enhanced Communications Capabilities
- Integrated Printer to enhance and enforce the selling/service process
- SD Card read/write allows for record keeping, data transfer and upgrades

New Program Management Tools
- Password-protected Administrative Mode
- User ID system to help drive and manage product use

NBT **ESP-800** Battery and Electrical System Diagnostic Analyzer with integrated printer, lead stud adapter set, 4-ft cable set, carrying bag

NAPA BATTERY TESTERS



HEAVY-DUTY PROFESSIONAL BATTERY & ELECTRICAL SYSTEM ANALYZER

Dynamic Conductance Battery Testing Technology

- Combines direct temperature measurement with deep scan technology to improve battery diagnostics
- Multiple battery test algorithm w/memory for fast analysis of multiple battery applications in buses, semi trucks, etc.
- Tests parallel or series packs and series parallel packs - Tests packs up to 3,500 CCA

Advanced Electrical System Diagnostics, Featuring Digital Signal Processing (DSP)

- Provides the ability to analyze the amplitude level and frequency of the ripple pattern for improved accuracy and identification of open or shorted diodes and open-phase conditions
- Interacting analysis of 12/24 volt starting/charging systems

DMM Functionality for Advanced Diagnostics

- AC/DC Volts, Volts/Amps mode, Temperature, Ohm meter, AC/DC Amps, Scope mode, Diode test
- Patented Conductance Cable Drop Test
- Interactive test routine using dual cable sets for more effective analysis of voltage drop across ground circuit, starter system and alternator system, or more generic system testing

Item No.	Description
NBT **ESP-1000HD**	Includes: HD Tester, battery clamps, cable verification clamps, DMM probes and carrying case
NBT **ESP-1000HDKIT**	Includes: HD Tester, battery clamps, cable verification clamps, DMM probes, carrying case and Printer
NBT **ESP-1000HDAMP**	Includes: HD Tester, battery clamps, cable verification clamps, DMM probes, carrying case and Amp Clamp
NBT **ESP-1000HDAK**	Includes: Tester, battery clamps, cable verification clamps, DMM probes, carrying case, Amp Clamp and Printer

MIDTRONICS GLOSSARY

Conductance: A unique electrical measurement that determines the ability of a battery to transmit current through its internal structure. Years of laboratory research have proven that conductance provides a reliable indication of battery state-of-health and a correlation to battery capacity. Conductance is used to detect battery cell defects, shorts, normal aging and open circuits.

Deep Scan Technology: Multiple Frequency scan to detect defects in severely discharged batteries.

Digital Signal Processing (DSP): DSP provides the ability to analyze the amplitude level and frequency of the diode ripple pattern for improved accuracy and identification of open and shorted diodes and open phase conditions such as multiple diode failure or winding problems.

ADVANCED BATTERY ANALYZER

Tests Automotive, Motorcycle, Marine, Lawn and Garden, Group 31, and Commercial 4D/8D Batteries.

- Test by: CCA, CA, MCA, JIS, DIN, EN, IEC, and SAE.
- Languages: English, French Canadian and Spanish
- Large 5-line backlit display
- Includes stud-adapters
- 4' Field Replaceable Test cables
- IR Printer Optional (*NBT* **A087**)



NBT **MDX-640** Battery Conductance Analyzer, lead stud adapter set, 4-ft cable set

ADVANCED BATTERY & ELECTRICAL SYSTEM ANALYZER

The industry standard conductance technology for battery testing, the MDX Series advanced features include:

- Multiple vehicle applications, battery types, and rating systems
- Large back-lit screen and improved user interface
- Integrated printer option
- 10' Removable cable set for running the test from the driver's seat

Vehicle Applications

- Automotive
- Motorcycle
- Marine Cranking
- Lawn and Garden
- Group 31
- Commercial 4D/8D

Battery Type

- Regular flooded
- AGM flat plate
- AGM spiral
- 6- and 12-volt batteries

Global Systems

- CCA, CA, MCA, JIS, SAE, EN, DIN, IEC

Advanced Starter and Alternator Testing

- Quick starter analysis without disabling the ignition
- Advanced interface for a complete charging system analysis in seconds
- 12- and 24-volt charging/system testing



Item No.	Description
NBT **MDX-650P**	Battery Conductance and Electrical System Analyzer, lead stud adapter set, 10-ft cable set, carrying bag plus integrated printer
NBT **MDX-650**	Battery Conductance and Electrical System Analyzer, lead stud adapter set, 10-ft cable set, carrying bag

BATTERY TESTER WITH INTEGRATED PRINTER

Now it's easier than ever to show the current state of the battery and electrical system by providing customers with a printed result of the battery and system test.

- Integrated printer provides immediate results to review with the customer
- Custom header available on printout
- Test 12 volt batteries and system for cars and light trucks
- Multiple rating systems compatible (CCA, SAE, DIN, EN, IEC, JIS#)
- Tests multiple battery chemistries: Regular Automotive, AGM and GEL
- Multi-language capability, including English, French-Canadian, Spanish and Japanese



NBT **MDX-P300** Battery and Electrical System Analyzer with Integrated Printer, lead stud adapter set

NAPA BATTERY TESTERS

BATTERY CONDUCTANCE TESTER

Battery Testing made Simple.

- Accurate battery test decision in seconds
- Proven Conductance Technology and algorithms test 12 volt batteries 200 - 850 CCA
- No user interpretation required
- Tests discharged batteries down to 8 volts - no need to charge before testing
- Durable design for the workshop or in the field
- No heat or sparks to damage the unit

NBT **PBT-100**



ADVANCED BATTERY CONDUCTANCE/ELECTRICAL SYSTEM TESTER

An essential tester for the professional technician. Includes all *NBT* **PBT-100** features, plus:

- Shows available power in CCAs at the end of each test
- Bad Cell detection
- High and low voltage capture for improved starter/charging system testing

NBT **PBT-200**



DIAGNOSTIC BATTERY CONDUCTANCE/ELECTRICAL SYSTEM TESTER

The advanced tester for the professional technician. Includes all of the *NBT* **PBT-200** ***features plus:***

- Expanded measurement range from 100-1400 CCA
- Green and red LEDs give fast test decision on starter & electrical system testing
- High/Low voltage capture for improved starter/charging system testing
- Starter system testing: pressing the down arrow displays the captured voltage from cranking the engine
- Charging system testing: pressing the up arrow displays the captured high voltage from the alternator
- Shows available power in CCAs at the end of each test
- Tests discharged batteries down to 8 volts
- Bad Cell detection



NBT **PBT-300** Battery Conductance/Electrical System Tester
NBT **PBT-300KIT** Includes *NBT* **A046** Case

POWER SPORT BATTERY TESTING SAFE, FAST AND SIMPLE

- Accurate battery test decision in seconds
- Simple reference number system eliminates time wasted searching for battery rating
- Live voltmeter capability
- Tests discharged batteries down to 8 volts
- Durable design for the workshop or the field
- No risk of heat, sparks, or damage to the unit

NBT **PBT-50NAPA**



DIGITAL AMP CLAMP/METER

The Ultimate Portable Multi-Meter

- Low Level DC Amp Range for easy detection of excessive parasitic drain
- 200A DC Amp Range to measure system output level for advanced starter diagnosis
- Small Jaw Size for fitting into tight places and making it easier to get the right cable for accurate measurement
- One Touch Zero Button
- Hold button to freeze the reading
- Max/Min Button
- Probes for all pinpoint diagnostics like finding shorts and voltage drop tests
- Rugged design and protective carrying case for the automotive garage environment



NBT **AMP-100**

HIGH-SPEED PRINTER

Complete printout results in seconds.

- Infrared (HP IR, IrDA) and RS232
- High-speed, high resolution printing capability
- Versatile for use with text or graphics
- Rechargeable batteries
- Supports labels and dual-ply paper
- Maintenance-free



NBT **A087** High-speed printer
NBT **A090** Charger for printer
NBT **A093** NIMH AA – Rechargeable Batteries for *NBT* **A087**

INTEGRATED PRINTER FOR GR8

- For use with *NBT* **GR8**
- Integrated Printer
- Print test and diagnostic charge results

NBT **A141**



AMP CLAMP

- For use with the *NBT* **ESP-1000** and *NBT* **ESP-1000HD** analyzers and *NBT* **GR8-1200**
- For applications from 0 to 700 amps

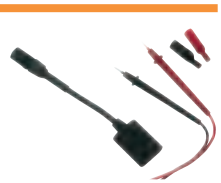
NBT **A018**



DMM PROBES

- For use with the *NBT* **ESP-1000** and *NBT* **ESP-1000HD** analyzers and *NBT* **GR8**
- Adapter and DMM Probes
- Alligator clip set

NBT **A126**



DMM LEADS

- For use with the *NBT* **ESP-1000** and *NBT* **ESP-1000HD** analyzers and *NBT* **GR8-1200**
- 10-foot long leads

NBT **A028**



LEAD STUD ADAPTERS

- For accurate testing and charging of side terminal and top post threaded batteries
- 2 Male adapters for side terminals
- 2 Female adapters for Group 31/ top-post threaded batteries

NBT **A033**



CHARGER CABLE SET
- Replacement Charger Cable Set for *NBT* **GR8**
- Integrated temperature sensor improves safety and diagnostic charger capabilities

NBT **A129**



REPLACEMENT TESTER LEADS
- For use with the *NBT* **ESP-1000**, *NBT* **ESP-1000HD** and analyzers
- 10-foot long leads
- Allows use of tester from driver's seat

NBT **A083**



REPLACEMENT TESTER LEADS
- For use with the *NBT* **ESP-1000**, *NBT* **ESP-1000HD** and analyzers
- 4-foot long leads

NBT **A084**



REPLACEMENT TESTER LEADS
- For use with the *NBT* **ESP-1000**, *NBT* **ESP-1000HD** and analyzers and *NBT* **GR8-1200**
- 10-foot long leads
- Allows use of tester from driver's seat

NBT **A139**



REPLACEMENT TESTER LEADS
- For use with the *NBT* **MDX-700/MDX-700P**
- Heavy-duty Piranha clamps
- 15-foot long leads

NBT **A260**



REPLACEMENT TESTER LEADS
- For use with the *NBT* **ESP-800**
- 10-foot long leads with dual-conductor Kelvin clamps
- Allows use of tester from driver's seat

NBT **A152** 10-ft Leads w/ Small Clamps
NBT **A185** 10-ft Leads w/ Heavy-Duty Clamps



NBT **A185**

REPLACEMENT TESTER LEADS
- For use with the *NBT* **MDX-640**, *NBT* **MDX-650** and *NBT* **MDX-650P** Tester
- Replacement leads with dual-conductor Kelvin clamps

NBT **A207** 4-ft Replacement Leads
NBT **A208** 10-ft Replacement Leads



NBT **A208**

PROTECTIVE CARRYING CASE FOR PBT TESTERS
- Fits all PBT Series testers
- Provides extra protection for longer life
- Resists grease, acid, and impacts
- Perfect for the toolbox
- Fits all other accessories including temperature sensor, amp clamp, and printer

NBT **A046**



BOSCH
Invented for life

BAT 151 ELECTRICAL SYSTEM DIAGNOSTIC ANALYZER



Electrical System Diagnostic Analyzer with Integrated Printer & Accessories. Capabilities include: battery testing, starter testing, charging system testing, DMM functions, cable drop technology. Includes: BAT 151 Diagnostic Analyzer, 10' Battery Test Leads, Integrated Printer, Amp Clamp, Drop Cable Lead Set, DMM Probe Set, Stud Adapter Set, & Carrying Case.

Essential Features
- Enhanced starter system testing
- Improved alternator diagnostics
- Advanced battery testing
- Cable drop verification testing
- Expandable platform eliminates costly tool obsolescence

Advanced Electrical System Diagnostics Featuring Digital Signal Processing (DSP)
- Provides the capability to digitize the measured alternator output voltage and evaluate the spectral content of the signal to provide a detailed and accurate analysis.
- Provides the ability to analyze the amplitude level and frequency of the diode ripple pattern for improved accuracy and identification of open or shorted diodes and open phase conditions.

Enhanced Starter Diagnostics Including Amp Clamp
- Combines voltage drop with amps measurements to fully diagnose all parts of the starting system.
- Output includes current draw graph and voltage drop graph when using the amp clamp.

Conductance Cable Verification Test
- Uses conductance technology to calculate the voltage drop across the positive (+) and negative (-) sides of any circuit and total circuit drop without running the engine.
- Pre-set tests for battery ground, starter and alternator circuits, and user-defined test are available.

Dynamic Conductance Battery Testing Technology
- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness.
- Advanced preventative maintenance algorithms for identifying batteries as they approach end-of-life.

BSD **F00E900235**

BOSCH
Invented for life

BAT 151 BASE KIT



The BAT 151 is a versatile, reliable and easy-to-use electrical diagnostic tool for today's modern automotive service center.

Dynamic Conductance Battery Testing Technology
- Combines direct temperature measurement with deep scan technology to improve accuracy and decisiveness
- Advanced preventative maintenance algorithms for identifying batteries as they approach end of life

Enhanced Starter Diagnostics Including Optimal Amp Clamp
- Combines voltage drop with amps measurements to fully diagnose all parts of the starting system
- Output includes current draw graph and voltage drop graph when using optimal amp-clamp

Advanced System Electrical Diagnostics Featuring Digital System Processing
- Digital Signal Processing (DSP) provides the capability to digitize the measured alternator output voltage

Conductance Cable Verification Test
- Uses conductance technology to calculate voltage drop
- Preset tests for battery ground, starter and alternator circuits and user defined tests are available

BSD **F00E900066**

BAT 110 CONDUCTANCE BATTERY TESTER

BOSCH
Invented for life



Reliable Battery and Charging/Starter System Testing

A rugged workshop battery tester that uses conductance technology to provide quick and accurate testing of batteries, charging systems and starter systems.

Essential Features
- 12V load-free battery tester
- Suitable for testing lead-acid batteries: standard, maintenance free, plus AGM batteries
- Capable of diagnosing 12V starter and charging systems
- Accurate test results under all temperature conditions
- Lowest voltage storage function when testing starter systems
- Highest and lowest voltage storage function when testing charging systems
- Indicator for defective battery
- Solid and rugged housing stands up to daily shop use
- The four digit LED voltage screen, three LED indicators and the arrow keys enable easy and intuitive handling of the device

BSD **F00E900258**

BAT 131 CHARGING & STARTING SYSTEM ANALYZER

BOSCH
Invented for life

- Easy to use menu
- Test batteries that are installed in, or removed from the vehicle
- Optimized test algorithm for testing new batteries that are in stock or those that have never been installed
- Extended test of the 12V and 24V batteries
- Optional amp clamp upgrade for more extensive starting/charging system testing
- Integrated printer provides easy to read printouts and can be customized to display a shop's name, address, telephone and website.
- USB port for transferring and storing of test results onto a computer
- Flexible platform allows for future upgrades



BSD **0684400732**

BOSCH
Invented for life

BAT 55 STABLE POWER SUPPLY/ BATTERY CHARGER 55A 13.4V



As a power supply, the BAT 55 has a virtually noise-free, nominal 13.4 volt DC output as recommended by most vehicle manufacturers for ECU reprogramming.
As a battery charger, the BAT 55 delivers current up to the rated value for charging any 12 volt lead-acid battery when voltage is low due to discharge. Once the battery reaches a full charge, the BAT 55 automatically senses the battery condition and reduces current, operating as a regulated power supply.
Other uses for the BAT 55 include use during complex maintenance to sustain any accessory loads or offset any parasitic drain. Also, it can be used in vehicle showrooms or wherever vehicle demonstrations may draw power from the battery.

Essential Features
- Advanced switch-mode design
- Provides a cleaner, more reliable power source than standard battery chargers
- Fully-regulated DC output prevents overcharging of the battery and precisely maintains the necessary battery voltage during complex service and reprogramming
- Multiple protection features for a long, trouble-free life:
  - Reverse battery polarity protection via replaceable fuses
  - Brownout input protection
  - Over-current protection; cycle-by-cycle peak limiting and rated current-limiting to maximize the life of the converter
  - Over-temperature protection
- Quiet, small, and compact for portability
- Commercial design and heavy-duty internal components ensure years of continuous use
- High quality, detachable cables for easy field service
- Protective carrying case for storage or during use

BSD **F00E900373**

SOLAR

DIGITAL BATTERY & SYSTEM TESTER WITH INTEGRATED PRINTER



- 40-2000 CCA, 1.5-30V operating range.
- Test 6 and 12 Volt batteries
- Tests 12 and 24 Volt systems
- For conventional, AGM, spiral wound, Start-Stop and Gel Cell batteries.
- Rating systems: CCA, DIN, JIS, EN, IEC.
- Temperature Compensation
- Extra-long 10' leads and large 4-line LCD screen.
- Integrated printer uses standard thermal paper.
- Unique warranty code generated for each test.
- Counter function to track tester usage.
- Reverse polarity and over-voltage protection.
- Heavy-duty carrying case.

SOR **BA327**

SOLAR



12V DIGITAL BATTERY & SYSTEM TESTER
- 40-1200 CCA operating range, 7.0 - 15V
- Tests conventional, AGM, Spiral Wound, Start-Stop and Gel Cell batteries
- Rating systems: CCA, CA, DIN, EN, IEC
- LCD display ideal for bright or low light
- Reverse polarity and over-voltage protection

SOR **BA9**



6/12V 100A FIXED LOAD BATTERY TESTER
- Tests 6 and 12 Volt batteries
- True 100 Amp load
- Tests batteries to 1,000 Cold Cranking Amps
- Color-coded graduated scale meter
- Enables assessment of starting and charging system performance
- 1 year limited warranty

SOR **1852** 6/12V 100A Fixed Load Battery Tester



12V DIGITAL BATTERY & SYSTEM TESTER
- Bright display and LED assessment results.
- 7.0-15V, 100-1200 CCA operating range.
- For conventional, AGM and Gel Cell batteries.
- Rating systems: CCA, CA, DIN, EN, IEC.
- Reverse polarity and over-voltage protection.

SOR **BA5**



12 VOLT CARBON PILE BATTERY LOAD TESTER
- Tests 12 Volt batteries to 1,000 CCA
- Variable load capability to 500 Amps
- Enables Starter and Alternator assessment
- Large, easy-to-read dual gauges
- Heavy-duty clamps penetrate corrosion on battery terminals
- 1 Year Limited Warranty.

SOR **1874** 12 Volt Carbon Pile Battery Load Tester



6/12 VOLT DIGITAL VOLTMETER
- 4.5-19.99V operating range.
- Provides fast and accurate voltage readings for 6 and 12 volt batteries.
- Bright LED display.

SOR **BA1**



6/12/24 VOLT CARBON PILE BATTERY LOAD TESTER
- Tests 6, 12 and 24 Volt batteries
- Variable load capability to 1,000 Amps
- Tests batteries to 2,000 CCA
- Enables Starter and Alternator assessment
- Large, easy-to-read dual gauges
- Heavy-duty clamps penetrate corrosion on battery terminals
- 1 Year Limited Warranty

SOR **1876** 6/12/24 Volt Carbon Pile Battery Load Tester

BATTERY TESTER AND ANALYZER BUYER'S GUIDE

Applications	CCA Range (if applicable)	Voltage	Technology	Item No.	AGM Test Capability	Alternator Output Test - Volts/Amps*	Alternator Diode Test	Crank Starter Testing	Health Testing	Print Capable
OTC Minuteman Plus™ Electrical System Tester				*BK* **817-1292**						
Professional, Automotive, Gov't Fleet	100-1,500 CCA	12V	Micro-Load Conductance		Y	Voltage & Ripple	Y	Y	N	Optional Printer
Associated Equipment Battery Electrical Systems Tester				*BK* **817-1220**						
H.D, Fleet, Automotive	Up to 1,000 CCA	12/24V	Carbon Pile-Variable Load		Y	Voltage & Ripple	Y	Y	N	—
Autometer BCT-200J Heavy-Duty Battery Charging, Starting Tester				*BK* **392-2001**						
H.D, Fleet	200-1,600 CCA	6/12/24V	Digital Pulse Load		Y	Voltage, Amperage Ripple	Y	V-Drop	N	Optional Printer
Autometer BVA-200 Charging System Analyzer				*BK* **392-2000**						
Professional, Automotive	200-1,600 CCA	6/12V	Digital Pulse Load		Y	Voltage, Amperage Ripple	Y	Y	N	Optional Printer
OTC Sabre HP™ Battery, Charging, Starting System Analyzer				*BK* **700-2550**						
Professional, Automotive	50-2,000 CCA	6/12V	Micro-Load Conductance		—	Y	Y	Y w/Opt. Amp Clamp	N	Optional Printer
OTC Sabre HD Battery & Electrical System Diagnostic Tester				*BK* **700-3125**						
H.D, Fleet, Automotive	50-4,000 (24V)	6/12/24V	Micro-Load Conductance		Y	Voltage & Amps w/Opt. Amp Clamp	Y	Y-w/Opt. Amp Clamp	N	Optional Printer
OTC Sabre HD Battery & Electrical System Diagnostic Tester with Printer				*BK* **700-3126**						
H.D, Fleet, Automotive	50-4,000	6/12/24V	Micro-Load Conductance		Y	Voltage & Amps w/Opt. Amp Clamp	Y	Y w/Opt. Amp Clamp	Y	—
Autometer RC-300 Battery Tester				*BK* **700-2503**						
Professional, Marine Recreational	—	6/12V	Digital Pulse Load		Y	—	—	—	N	Optional Printer
OTC Professional Battery, Charging, Starting System Analyzer				*BK* **700-2693**						
Professional, Automotive	50-2,000 CCA	12V	Conductance		—	Manual	Y	—	N	Optional Printer
OTC Digital Battery Tester				*BK* **700-2692**						
Professional, Automotive, Advanced DIY	125-1,400 CCA	12V	Conductance		—	Manual	—	—	N	—
OTC Digital Battery Load Tester				*BK* **700-2691**						
Professional, Automotive, Advanced DIY	—	6/12V	130A Fixed Load		—	Manual Voltage	Y	—	N	—
OTC Heavy Duty Battery Load Tester				*BK* **700-2690**						
Professional, Automotive, DIY	—	6/12V	130A Fixed Load		—	Manual Voltage	—	—	N	—
Actron 100 Amp Battery Load Tester				*BK* **700-1112**						
Professional, Automotive, DIY	—	6/12V	100A Fixed Load		—	Manual Voltage	—	—	N	—

OTC

MINUTEMAN PLUS MULTI-PURPOSE ELECTRICAL SYSTEM TESTER



- Tests batteries, alternators, regulators and starters. Direct-from-battery tachometer feature gives RPM readings without complicated hook-ups to ignition system. Also, ammeter/voltmeter capabilities.
- Evaluates discharged or charged batteries in one minute. Tests all 12-volt automotive and heavy-duty batteries with cold cranking amp ratings of 100-1,500.
- Has its own internal battery; no external power source needed.
- Checks charging system at high RPMs and idle, and stores the data. Results show regulator volts, peak amps and diode condition.
- Utilizes wave form analysis when testing alternator diodes; more accurate than "ripple voltage" tests.
- Displays cranking volts and amps, indicates either "Good Starter" or "Bad Starter."

BK **817-1292**



Auto Meter

AUTO METER RC-300 BATTERY TESTER

For 6- and 12-volt Gel Cell, Powersport, and SLA batteries, 4-50 amp/hour.

Specifications

6-Volt Tests: ..... Battery Check & Load
12-Volt Tests: ..... Battery Check & Load
Battery CCA Range: 4Ah-50Ah
Automated Load: ..... 40 Amp
Starter Draw Test: ..... No
Memory: ..... 50 Tests
Voltmeter Range: ..... 0-30 with .01 Resolution
Voltage Drop Test: ..... No
Cooling: ..... Heat Sink/Vented
Digital Display: ..... 1" x 2.5". 4 Line/16 Character
Package: ..... Rugged Plastic Case w/Rubber Boot for Easy Grip
Operational Temp.: ..... 0-120° F
Operational Humidity: 0-85%
Languages: ..... English/Spanish
Internal Battery: ..... 9V DC
Dimensions: ..... 4.5" x 7.1" x 1.4"
Weight: ..... 1.3 lbs.

BK **700-2503**



Auto Meter

HEAVY-DUTY LOAD TESTER

For six- and 12-volt commercial starting batteries and 12- and 24-volt starting and charging systems. Specially designed for the heavy-duty industry where accuracy is extremely important. Advanced DPL Technology, including a battery bank test, is used to shorten the battery testing procedure. Firmware includes Auto Meter's innovative, automated-voltage drop test and J1708 information retrieval. Tester also stores the last 120 tests, which can be retrieved on the LCD display, printed to the optional AC-15 infrared printer, or downloaded to a personal computer with the AC-10 PC adapter cable.

Specifications

12-Volt Tests: ..... Alternator Stator/Automated Voltage Drop/ ..... Battery Check/Load/Diodes & Regulation/ ..... J1708 Data Bus Communication
24-Volt Tests: ..... Alternator Stator/Automated Voltage Drop/Diodes & ..... Regulation/J1708 Data Bus Communication
Battery CCA Range: 200-1,600
Automated Load: ..... 120 amp
Alternator Test: ..... Yes
Stator Diode Test: ..... Yes
Starter Draw Test: ..... V-Drop
External Volt Leads: ..... Yes
Memory: ..... 120 Tests
Voltmeter Range: ..... 0-30 with .01 Resolution
Voltage Drop Test: ..... Yes
Cooling: ..... Vented
Digital Display: ..... 1" x 2.5" 4 line 16 character
Package: ..... Durable Anodized Extruded Aluminum
Operational Temp.: ..... 0-120° F
Operational Humidity: 0-85%
Language: ..... English/Spanish
Internal Battery Type: ..... 9V DC

BK **392-2001**



Auto Meter

CHARGING SYSTEM ANALYZER

Complete system in one hand. Provides quick, accurate, and professional load test results that will increase productivity. Alternator test automatically indicates open or shorted diodes and output. It is professionally accurate, and complete diagnostic system details are LCD displayed after each test. Produces far better results than non-load testers, which is especially significant when testing starters and alternators. Automatically loads battery and alternator, and automatically takes off battery surface charge. Stores up to 200 test results in memory. Digital Display: 1" x 2.5"/4-line x 16 character LCD. Metal Case: 6.5" x 10.75" x 2.25"/6 lbs.

BK **392-2000**



BATTERY & ELECTRICAL SYSTEM DIAGNOSTIC TESTER

- Digital circuitry precisely controls battery test loads to accurately determine battery conditions.
- Tests both flooded lead acid and absorbed glass mat batteries accurately – down to 1 volt state of charge.
- Tests vehicle starting and charging systems with minimal user interaction.
- Scales: CCA, CA, AHR, MCA, JIS, DIN.
- Backlit display: 1.6 cm x 50.8 cm (4" x 20")
- Over-molded enclosure with soft-touch keys.
- Flash upgradeable memory in field.
- Removable/auto-sensing leads (90 cm [3'] leads included in kits, optional 3 m [10'] leads available).
- User definable print header and footer.
- Date/time stamp.
- Optional amp clamps for current drain tests and starting/charging measurements (the only handheld battery tester with this feature).
- Includes SABRE HP, 90 cm (3') test leads, side-post terminal adapters, instruction manual and molded-plastic carrying case.

BK **700-2550**



SABRE HP™ HEAVY-DUTY BATTERY/ELECTRICAL SYSTEM DIAGNOSTIC TESTER DELUXE KIT

For 24-volt battery and electrical systems. Diagnoses battery packs in series, parallel, or series/parallel. Tests AGM/gel cell batteries. Deluxe kit includes tester, 15-foot test leads, instruction manual, molded plastic carrying case, and infrared wireless printer.

BK **700-3126** Tester Kit
BK **700-3125** Tester (Includes everything except infrared wireless printer)



BATTERY ELECTRICAL SYSTEM TESTER & CART

Tests charging/starting systems on 12, 12/24 and 24-volt vehicles. Carbon pile variable load capability provides accurate load testing for batteries rated up to 1,000 CCA. Cables, 8' long, 4 AWG feature 500 amp safety clamps with flexi-spring and patented side terminal adapters plus separate light gauge test leads for tighter spots. Inductive amp pickup measures current flow through any wire. Ten megohm input for today's high-tech systems. Reverse polarity protection against incorrect hook-up.

BK **817-1220**



PROFESSIONAL BATTERY SYSTEM ANALYZER

Designed for the professional technician, tests 6-and 12-volt batteries and starting/charging systems faster than ever before. BCS System Analyzer has an operating range of 50-2,000 CCAs, and is able to either store data in memory or remotely print out results using built-in infrared printer inter- face. Also measures voltage and tests starting/charging systems at the push of a button. Quick, one-second initial results. Temperature and low-charge compensation. Detects and identifies loose leads. Supports CCA, IEC, EN, BCI, and DIN scales. Four-line/20-character LCD display shows CCAs, voltage, and good/bad status. Displays results in seven languages: English, French, Spanish, German, Italian, Dutch, and Swedish. Detachable cable leads.

BK **700-2693**



DIGITAL BATTERY TESTER

Tests 12-volt batteries with 125-1,400 CCAs, measuring multiple parameters within battery to deliver accurate results. Bright, four-digit LED display indicates battery's good/bad status, internal voltage, and available CCAs. It even compensates for cold temperatures and low charges, and provides surface charge warning. Lightning-fast, one-second initial results detect and identify loose leads and bad cells. Measures multiple inter-national units: CCA, IEC, DIN, BCI, and EN. CCA Resolution: 25.

BK **700-2692**

OTC

BATTERY LOAD TESTER



By applying a powerful, industry-leading 130-amp load, this heavy-duty battery tester delivers more accurate results than conventional load testers. Use it to determine battery's state of charge, as well as cranking and charging volts. Large, easy-to-read display, and unique clamp design for side and top post batteries. Also features side-clamp mount for cable storage, convenient zero-adjust-to-reset pointer, and comfortable, ergonomic design. Multi-mount bracket for easy storage on wall or tool box.

BK **700-2690**

OTC

130 AMP DIGITAL BATTERY LOAD/ALTERNATOR RIPPLE TESTER



Extra-large, digital display, 130-amp battery load tester for accurate and easy-to-read test results. Performs multiple tests including state-of-charge, starter/alternator system tests, and an easy alternator ripple detection test (separate ripple test lead included). Works on 6- and 12-volt batteries with 0-16 volt range. Also features ripple detection light, comfortable, easy-to-grip ergonomic handle, and side clamp mounts for storage on wall or tool box. Unique, heavy-duty, insulated cable clamps with multi-functional jaws provide secure clamping ability on both side- and top-post batteries.

BK **700-2691**

OTC

100-AMP BATTERY LOAD TESTER



Test batteries both on or off vehicle. Heavy-duty copper-plated clamps. Internal load unit with 100 amp load capacity. Load safety switch to prevent arcing. Heavy-duty, nickel-plated, ventilated steel case. Works on both 6- or 12-volt batteries. Convenient carrying handle. Comes complete with a fully-illustrated instruction booklet. Tests voltage supply, cranking/charging volts, and good/bad battery. Volts: 0-7/0-15. Load Capacity: 100 amps.

BK **700-1112**

NAPA Battery Chargers

SPEED TESTER BATTERY ANALYZER



- Accurately tests battery CCA and voltage for lead acid batteries in seconds
- Displays test results and available CCAs
- Tests discharged batteries as low as 8 volts
- Tests batteries rated at 200 up to 1200 CCAs
- Easy to read 2 x 16 character LCD display

NOTE: Non-automotive AGM batteries may read higher than actual, but will be consistent between like models.

NBC **PST-100**

NAPA Battery Chargers

DIGITAL BATTERY TESTER WITH PRINTER



- Tests 6V, 8V, and 12V golf cart and RV batteries
- 16 character liquid crystal display shows test results
- Features date/time function and test counter
- Tests, displays and prints the results of battery voltage test, state of charge of the battery and state of health of the battery
- Includes thermal printer, heavy-duty blow-molded carrying case, 50 amp battery clamps, 1-30M roll of standard thermal printer paper and 6-1.5V AA batteries.

NBC **PST8**

NAPA Battery Chargers

DIGITAL BATTERY TESTER



- 12V Batteries
- Accurate test results in 5 to 7 seconds
- Microprocessor control – makes for an easy and accurate load test
- Tests both battery and charging systems with digital accuracy
- Bright, 3-color, LCD digital display – indicates both voltage and test results
- 6-step design – indicates pass, pass & recharge, recharge and retest, fail, bad cell and 1 LED indicates check clamp
- Super-grip battery clamps – heavy-duty and color-coded
- Protective boot and 9 volt battery included

NBC **BTF250**

SMART BATTERY TESTER



Test batteries faster with the first market solution to utilize the power of your smart device. In less than three minutes you can test the battery, starting and charging systems. The first battery tester that allows you to receive a comprehensive, full-color data report directly to your smart device for easy sharing with your customer – print, save or email. The internal 9 Volt DC battery allows testing of deeply discharged batteries. It's near instant test displays battery health with charging and starting system health. Compatible with both IOS and Android devices, including smart phones and tablets. Smart device provides a large and clear screen to view reports on and share with customers. After downloading the app and scanning the QR code on the battery tester, you can immediately view battery test results. To receive data about the starting and charging system, start your engine and scan the next QR code. Test results will be sent to your smart device. Smart device must have a rear-facing camera to meet the full requirements. Voltage range is 6, 8, 12 Volt DC (Lead Acid / AGM Batteries). Screen display is 1.125 TFT. Amp range of 100 - 2,000 CCA.

BK **700-2585**

OTC

CURRENT INDICATOR



Measures charging rate and starter current on one indicator. Induction-type meter. Needs no hook-up wires or cables, just hold meter over cable and read. 75-0-75 amps alternator regulator/600-0-600 amps starter.

BK **700-1083**

Faster, Safer, Smarter.

Computer Controlled
Controlado por computadora
Commandé par ordinateur

Faster – NAPA's Computer Controlled chargers feature a unique 8 Stage Charging process making them 3X Faster than competitive products.

Safer – The patented Safe Start Technology and Polarity Protection ensure there is no damage to the battery or sensitive vehicle electronics during charging.

Smarter – The microprocessor continually monitors the charging process and delivers the correct volts and amps to every battery every time.

Charges All Battery Types



NAPA Computer Charging vs Competitive Technology

Improve the Performance and Extend the Life of Your Battery With NAPA Computer Controlled Battery Chargers



NAPA BATTERY TESTERS



NBT **PSC 550S KIT**

POWER SUPPLY CHARGING

PSC power supply chargers provide a clean and reliable power supply for charging and maintaining battery state-of-charge during service reflash, complex maintenance, or on the showroom floor where vehicle demonstrations require significant power from the battery.

Operating as a Power Supply – The PSCs convert 120 volt AC line input into a virtually noise free nominal 13.4 volt DC output.

Operating as a Battery Charger – The PSC delivers current up to the rated value to charge any 12 volt lead acid battery when voltage is depressed due to a discharge event. Once the battery is fully charged, the PSC will sense the battery condition and taper current to operate as a regulated power supply, which will sustain any accessory loads or offset any parasitic drain.

Features

- Allows vehicles to be displayed with all electrical features and accessories activated
- Maintain the battery while powering aftermarket accessories
- Provides constant clean power supply for use of scan tools and reprogramming of ECMs without discharging the battery
- Provides clean, reliable DC output that is fully-regulated preventing overcharging of the battery
- Maintains battery voltage during complex service and reflash
- Commercial design and heavy-duty internal components ensure years of continuous use
- Unique "proportional" fan control minimizes unwanted fan starting noise
- Working temperature range 0-40°C

Item No.	Description
NBT **PSC-300S KIT**	30 Amp Power Supply/Charger & soft case
NBT **PSC-550S KIT**	55 Amp Power Supply/Charger & soft case
NBT **PSC-700S KIT**	70 Amp Power Supply/Charger & soft case

NAPA Battery Chargers



6 AMP, 4-BANK BATTERY CHARGER

- Charges 6/12 volt lead-acid and AGM batteries
- Four independent microprocessor-controlled charging banks
- Individual LED battery status indicators for each bank
- Overcharge protection
- Fan cooled for dependability and peak performance
- Multi-stage charging algorithm
- Safe-start, reverse polarity and short circuit protection
- Four detachable 6-ft. cables with 75 amp color-coded clamps
- Heavy duty, mountable, steel case for durability

NBC **NIN-406A**

NAPA Battery Chargers



300/70/40/20/4 AMP HIGH PERFORMANCE WHEEL CHARGER

- Fully automatic or timer controlled charging of 12 volt batteries
- Microprocessor controlled - faster, smarter, safer for standard and AGM batteries
- 2¼ hour timer
- Convenient clamp holder & rubber grip
- Oversized selector switches
- Extra long 9 ft. AC line cord
- 600 Amp clamps
- Reconditions sulfated batteries

NBC **NIN-70300A**

NAPA Battery Chargers



70 AMP POWER SUPPLY & BATTERY CHARGER

- Microprocessor controlled - faster, smarter, safer
- Adjustable power supply with outputs from 13.0-14.8V
- Provides clean power for flash reprogramming
- Digital volt and amp display
- Touch pad control
- Extra-long 9' cables and power cord
- Includes mounting brackets to fit above ground lifts

NBC **NIN-700A**

NAPA Battery Chargers



24V MOBILITY POWER CHARGER

- 24V/5 Amp charge rate
- Mountable
- LED status indicators
- Ring terminals/clamps/XLR connectors
- Perfect for many battery operated devices with hard to access batteries

NBC **NIN-2405**

Battery Chargers



8-BANK DIGITAL CHARGING STATION

- 8 Independent fully automatic charging units in one
- Automatically selects charging currents from 2 to 12 amps
- "Thermal Runaway" protection for the fastest and safest battery charging
- 4 distinct charging modes for standard, AGM and gel batteries
- Includes 8 - 72" cable sets
- Each charging unit has own digital display
- 110V powered, avoids specialty voltage requirements
- Mix and match battery types and sizes for maximum flexibility

NBC **NIN-812A**



80 AMP FAST CHARGER

- Fully automatic microprocessor controlled charging of nearly any 12V battery in 35 minutes or less
- "Thermal Runaway" protection for the fastest and safest battery charging
- 4 distinct charging modes for standard, AGM and gel batteries
- Extra long 7' welding wire cables with heavy duty clamps
- Touch pad control
- LCD Display
- Reconditions sulfated batteries
- Saves time, reduces warranty and lengthens battery life

NBC **NIN-800A**



48V GOLF CART BATTERY CHARGER

- 48 Volt fully automatic, microprocessor controlled charger with a 15 to 25 amp cycling output current
- Charges 48 volt lead-acid batteries
- Patent-pending thermal runaway protection – stops charging if the charger detects a problem with the battery
- Power saving mode – uses very little power when in standby mode or maintain mode
- Maintain mode – monitors the battery voltage to keep it fully charged
- Safe-start, reverse polarity & short circuit protection – the charger will not apply current to the output connector until properly connected
- Includes 8 gauge, 6 foot long output cables with a polarized 50 amp quick-connect connector
- Multi-stage charging algorithm
- Automatic temperature compensation – automatically adjusts the output voltage, based on the ambient air temperature
- Temperature-controlled cooling fan – efficient operation and peak performance
- Industrial UL approved

NBC **NIN-4825A**



36V GOLF CART BATTERY CHARGER

- 36 Volt fully automatic, microprocessor controlled charger with a 15 to 25 amp cycling output current
- Charges 36 volt lead-acid batteries
- Patent-pending thermal runaway protection – stops charging if the charger detects a problem with the battery
- Power saving mode – uses very little power when in standby mode or maintain mode
- Maintain mode – monitors the battery voltage to keep it fully charged
- Safe-start, reverse polarity and short circuit protection – the charger will not apply current to the output connector until properly connected
- Includes 8 gauge, 6 foot long output cables with a polarized 50 amp quick-connect connector
- Multi-stage charging algorithm
- Automatic temperature compensation – automatically adjusts the output voltage, based on the ambient air temperature
- Temperature-controlled cooling fan – efficient operation and peak performance
- Industrial UL approved

NBC **NIN-3625A**

CHARGE IT!

CHARGE IT! 6/12V WHEEL CHARGER

- 6 or 12 Volt operation.
- Multiple 12V charge rates: 40/20/5A.
- 200A 12V Engine Starting Assistance.
- 40A 6V charge rate.
- Slimline design for easy shop mobility.
- Not for sale in CA or OR
- One year limited warranty.

SOR **4735** 6/12V 40/20/5/200A Wheel Charger



CHARGE IT!



SOR **4520**



SOR **4506**

CHARGE IT! AUTOMATIC BATTERY CHARGERS

- Fully automatic, microprocessor-controlled operation.
- Properly services all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time
- Automatically enters maintenance mode upon charge completion.
- Charging status LEDs provide feedback on progress (*SOR* **4506**).
- Digital display provide battery % of charge and voltage (*SOR* **4512** / *SOR* **4520**).
- Soft Start Mode – automatically engages as needed to protect depleted batteries.
- Reverse Polarity Protection and Battery Fault Detection.
- One year limited warranty.

Item No.	Description
SOR **4506**	6/12V 6/2A Portable Battery Charger
SOR **4506C**	6/12V 6/2A Portable Battery Charger (CEC)
SOR **4512**	12V 12/6/2A Portable Battery Charger
SOR **4512C**	12V 12/6/2A Portable Battery Charger (CEC)
SOR **4520**	12V 20/10/2A Portable Battery Charger
SOR **4520C**	12V 20/10/2A Portable Battery Charger (CEC)

CHARGE IT!



6/12V 2.5A SMART CHARGER

The *SOR* **4502** from CHARGE IT! delivers accurate, reliable and convenient smart charging to a wide variety of battery types and sizes. Perfect for charging and maintaining the batteries found in cars, trucks, SUVs, vans, personal watercraft, motorsports vehicles, motorcycles and more. It delivers a 2.5 amp charge in 12 Volt mode via its automatic multi-stage charging sequence. Its small clamps are ideal for powersports, watercraft and other applications where access is difficult. Its display indicates charging status. 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **4502** 6/12V 2.5A Battery Charger

CHARGE IT!

12V 0.8A SMART CHARGER / MAINTAINER

The *SOR* **4501** from CHARGE IT! delivers accurate, reliable and convenient charging to smaller batteries and maintaining to larger batteries. It provides 0.8 amps of charge via its automatic multi-stage charging sequence. Includes two output options: clamps or ring terminal adapters (either can be connected using the quick attach harness). 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **4501** 12V .8A Battery Maintainer



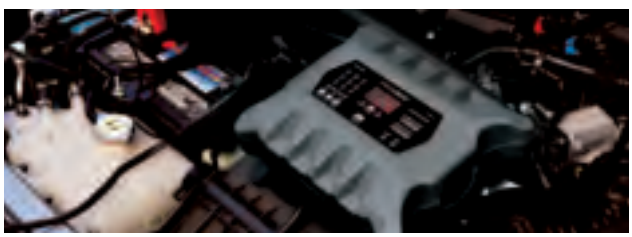


12V 1.5 AMP AUTOMATIC UNDERHOOD CHARGER

With underhood mounting and automatic operation, the *SOR* **1002** combines supreme convenience and reliable charging power in a lightweight, compact design. Perfect for keeping seasonal use and fleet batteries in top condition. Weather resistant plastic case. Battery attachment kit included. 1 Year Limited Warranty. Meets new efficiency requirements.

SOR **1002** 12V Automatic Underhood Charger





PRO-LOGIX

PRO-LOGIX AUTOMATIC BATTERY CHARGER/MAINTAINERS

- 6 or 12 Volt operation.
- Two Tools in One – Automatic Battery Charger plus Advanced Battery Maintainer.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "CHARGE".
- **PRO-LOGIX** battery chargers properly service all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time.
- Soft Start Mode – automatically engages for depleted batteries.
- Recondition Mode – automatically engages for damaged batteries.
- Temperature Compensation – adjusts charge based on ambient temperature, which can drastically affect how battery accepts a charge.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- One year limited warranty.

PRO-LOGIX 6/12V PORTABLE CHARGER/MAINTAINERS WITH ENGINE START

- 6/12 Volt operation.
- *SOR* **PL2510** – 10A/6A/2A charges rates plus 55A Start (12V).
- *SOR* **PL2520** – 20A/10A/2A charges rates plus 100A Start (12V).
- Fully automatic, microprocessor-controlled operation.
- Properly services all battery types, including Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- Display provides state of charge and battery voltage details.
- Charger provides rich feedback throughout charging process.
- Provides 12V engine starting assistance.
- Reverse Polarity Protection.
- Battery Fault Detection.
- One year limited warranty.

SOR **PL2510** 6/12V 10/6/2A Portable Charger with 55A Start
SOR **PL2520** 6/12V 20/10/2A Portable Charger with 100A Start



PRO-LOGIX 6/12V PORTABLE BATTERY CHARGER/MAINTAINERS



SOR **PL2310**

- 6/12 Volt operation.
- *SOR* **PL2310** – 10A high, 6A medium, 2A low charges rates (6 or 12V).
- *SOR* **PL2320** – 20A high, 10A medium, 2A low charges rates (6 or 12V).
- Fully automatic, microprocessor-controlled operation.
- Properly services all battery types, including Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- Display provides state of charge and battery voltage details.
- Charger provides rich feedback throughout charging process.
- Reverse Polarity Protection.
- Battery Fault Detection.
- One year limited warranty.

Item No.	Description
SOR **PL2310**	6/12V 10/6/2A Portable Charger/Maintainer
SOR **PL2310C**	6/12V 10/6/2A Portable Charger/Maintainer (CEC)
SOR **PL2320**	6/12V 20/10/2A Portable Charger/Maintainer
SOR **PL2320C**	6/12V 20/10/2A Portable Charger/Maintainer (CEC)



PRO-LOGIX AUTOMATIC BATTERY CHARGER/MAINTAINER

- 6 or 12 Volt operation.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "GO".
- Properly services all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- Advanced multi-phase charging process services each battery based on its specific needs for an optimal charge every time.
- Enhanced maintenance mode for ideal long term storage charging.
- Unique "Recovery Mode" enables the operator to choose how the charger will react to power outages.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- Multiple output accessories enable the operator to choose the best option for each application

Item No.	Description
SOR **PL2140**	Battery Charger / Maintainer – CEC-Compliant
SOR **PLA57**	Replacement Clamp Set
SOR **PLA58**	Replacement Ring Terminal Set
SOR **PLA59**	Replacement 12V Power Plug Adapter

PRO-LOGIX

PRO-LOGIX 6/12 VOLT AUTOMATIC WHEEL CHARGER



- 6/12 Volt operation.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "START".
- **PRO-LOGIX** battery chargers properly service all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time.
- Digital interface enables easy application set-up and provides specific feedback throughout the charging process.
- 60A fast charge rate for speedy service and quick bay turnover.
- 60A fast charge, 40A high, 15A medium, 5A low charge rates (6/12V)
- 275A Boost Mode (12V) to provide immediate starting assistance to depleted batteries.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- Two year limited warranty.

SOR **PL3730** 6/12V 60/40/15/5A Automatic Wheel Charger

PRO-LOGIX

PRO-LOGIX 6/12/24 VOLT AUTOMATIC FLEET CHARGER



- 6/12/24 Volt operation.
- Fully automatic, microprocessor-controlled operation – simply set your charging parameters and press "START".
- **PRO-LOGIX** battery chargers properly service all battery types: Conventional, AGM, Gel Cell, Spiral Wound, Deep Cycle and Marine.
- The advanced multi-phase charging process services each vehicle based on its specific needs for an optimal charge every time.
- Digital interface enables easy application set-up and provides specific feedback throughout the charging process.
- 60A fast charge rate (12V) for speedy service and quick bay turnover.
- 60A fast charge, 40A high, 15A medium, 5A low charge rates (6/12V)
- 30A fast, 15A medium, 5A low (24V) charge rates for versatile fleet service.
- 250A Boost Mode (12V) to provide immediate starting assistance to depleted batteries.
- Features Reverse Polarity Protection and Battery Fault Detection for safe, assured operation.
- Two year limited warranty.

SOR **PL3750** 6/12/24V 60A/40/15/5A Automatic Fleet Charger

NAPA® POWER SURGE BATTERY CHARGERS

UL Outdoor-Listed for safe outdoor use

Battery Chargers

PROFESSIONAL SERIES WHEEL CHARGER



- The Premier Professional Wheel Charger
- For charging 6 & 12 volt batteries
- 250/175/80/60/10 Amp charge ratings
- Amp Meter
- Voltmeter for testing battery state of charge and alternator output
- Temp-control fan cooling system
- Two-hour timer with hold position for continuous charging

NBC **85-3000**

Battery Chargers

PROFESSIONAL SERIES WHEEL CHARGER



- The perfect charger for fleet applications
- For charging 6/12 and 24 volt batteries/ battery systems
- 200/60/30/15 Amp charge ratings
- 200 amp engine start
- Amp Meter
- Two-hour timer with hold position for continuous charging

NBC **85-5000**

Battery Chargers

PROFESSIONAL SERIES HEAVY-DUTY WHEEL CHARGER



- 300/70/35/30/15 Amp charge ratings
- 300 amp engine start
- Voltmeter for testing charging systems
- 6/12/24 volt charging capability
- Multiple 12-volt charging positions – Fast, Medium and Slow for effective maintenance
- Heavy-duty handle
- Large, easy to read amp meter
- Two-hour timer with hold position for continuous charging application

NBC **85-7000**

NAPA Battery Chargers

PROFESSIONAL BATTERY CHARGERS

Features

- Fully automatic computer controlled charging for AGM and standard batteries
- Polarity protection for safety of battery and sensitive electronics
- 3x faster charging than traditional battery chargers
- 8 stage charging process with desulfation mode
- Easy to use controls
- 2-Year Limited Warranty

COMPUTER CONTROLLEDWHEEL CHARGER

- 200/40/6<>2 Amp rates with engine start
- 200 Amp engine start, 40 Amp boost for 12V standard and AMG batteries
- 6-2 Amp variable charge/ maintain rate
- Digital LED indicator with easy to use touch pad controller
- Variable 2-6 amp charge/maintain option,12V

NBC **85-1500**



COMPUTER CONTROLLED WHEEL CHARGER

- 225/40/6<>2 Amp rates with engine start
- 225 Amp engine start, 40 Amp boost for 6/12V standard and AMG batteries
- 6-2 Amp variable charge/maintain rate
- Digital LED indicator with easy to use touch pad controller
- Variable 2-6 amp charge/maintain option, 6V and 12V
- Sturdy tubular handle

NBC **85-2450**



COMPUTER CONTROLLEDWHEEL CHARGER

- 225/150/6<>2 Amp rates with engine start
- 225 Amp engine start, 150 Amp boost for 6/12V standard and AMG batteries
- 6-2 Amp variable charge/maintain rate
- Rotary controls with 2 hour timer
- Variable 2-6 amp charge/maintain option, 6V and 12V
- Sturdy tubular handle

NBC **85-2750**



LARGE VEHICLE/SUV BATTERY CHARGERS

FULLY AUTOMATIC BATTERY CHARGER/MAINTAINER, 12V – 10<>2 AMPS



- Automatically selects charging amps from 10 to 2 amps depending on battery condition and designed for AGM, gel, deep cycle and standard batteries
- 10 Amp fast charge/6 amp medium charge – charger monitors battery condition and adjusts charge rate to prevent battery damage; for marine, car, small truck, RV, farm equipment, deep cycle, AGM and gel cell batteries
- 2 Amp trickle rate charge – for charging small batteries and maintaining large ones; charges motorcycle, ATV, snowmobile and lawn tractor batteries
- Multi-stage automatic charging – provides continual charge for greater efficiency and less heat
- Float-mode monitoring – helps maintain battery
- High-impact molded case – rust-proof and corrosion resistant
- 6-ft. Power and output cords – combine for a 12-ft. reach
- Contoured handle for cord wrap and easy portability
- Reverse-hookup protection
- Short circuit protection for safe charging
- 8 stage charging includes desulfation mode

NBC **85-510**

FULLY AUTOMATIC BATTERY CHARGER/MAINTAINER, 6/12V - 6<>2 AMPS



- Automatically selects 6 to 2 amps depending on battery needs and designed for AGM, gel, deep cycle and standard batteries
- 10 Amp fast charge/6 amp medium charge – charger monitors battery condition and adjusts charge rate to prevent battery damage; for marine, car, small truck, RV, farm equipment, deep cycle, AGM and gel cell batteries
- 2 Amp trickle rate charge for charging small batteries and maintaining large ones; charges motorcycle, ATV, snowmobile and lawn tractor batteries
- Multi-stage automatic charging provides continual charge for greater efficiency and less heat
- Float-mode monitoring helps maintain battery
- High-impact molded case is rust-proof and corrosion resistant
- 6-ft. Power and output cords combine for a 12-ft. reach
- Contoured handle for cord wrap and easy portability
- Reverse hookup protection
- Short circuit protection for safe charging
- 8 stage charging includes desulfation mode

NBC **85-506**

FULLY AUTOMATIC BATTERY CHARGER/MAINTAINER, 12V - 15<>2 AMPS

- Automatically selects charging amps from 15 to 2 amps depending on battery condition and designed for AGM, gel, Deep cycle and standard batteries
- 10 Amp fast charge/6 amp medium charge – charger monitors battery condition and adjusts charge rate to prevent battery damage; for marine, car, small truck, RV, farm equipment, deep cycle, AGM and gel cell batteries
- 2 Amp trickle rate charge for charging small batteries and maintaining large ones; charges motorcycle, ATV, snowmobile and lawn tractor batteries
- Multi-stage automatic charging provides continual charge for greater efficiency and less heat
- Float-mode monitoring helps maintain battery
- High-impact molded case is rust-proof and corrosion resistant
- 6-ft. Power and output cords combine for a 12-ft. reach
- Contoured handle for cord wrap and easy portability
- Reverse-hookup protection
- Short circuit protection for safe charging
- 8 stage charging includes desulfation mode

NBC **85-515**



Battery Chargers

6 AMP FULLY AUTOMATIC BATTERY CHARGER



- Charges standard/AMG/Gel and Lithium Ion starting batteries
- Keeps stored batteries charged
- Microprocessor controlled – multi-stage charging for added precision, safety and battery life
- Float mode monitoring – automatically maintains optimum battery charge
- Scrolling digital messaging – provides step-by-step instructions to properly charge your battery
- Battery type button selects lead-acid or lithium ion
- LED indicates charging
- Reverse hook-up protection helps prevent damage to battery and charger
- Quick-connect harness attaches any of the (included) three connectors in seconds
- Hook attachment – hang outside the work area, for safety and convenience
- Energy efficient – meets the highest industry standards

NBC **85-006**

FULLY AUTOMATIC BATTERY CHARGER WITH ENGINE START



- 80/20/6<>2 Amp charge ratings
- Charges batteries 3 times faster
- Automatic variable 20 Amps fast charge<>2 amp trickle charge for quickly and efficiently charging car, truck, farm equipment, marine/RV, motorcycle, ATV, snowmobile, and lawn tractor batteries in standard, AGM, gel, sealed lead acid, deep cycle, and spiral-cell designs
- 80 Amp engine start for quick starting assist as needed
- Float-mode monitoring keeps battery at optimum charge level by providing just enough power to keep the battery maintained at the proper voltage. Restarts automatically after initial charging, as required
- Battery and alternator tester – digital voltmeter shows battery state of charge and helps diagnose electrical system problems
- Heavy-duty multi-purpose clamps for easy access to top and side-mount battery posts
- Reverse hook-up protection – Safe - charger will not operate if clamps are connected in reverse on battery terminals

NBC **85-620**

AUTOMATIC TRICKLE CHARGER, 6/12V, 1.5 AMP



- Specially designed for vehicles in storage and cold weather maintenance of automotive batteries
- Automatic shut-down when battery is fully charged/powers on when charge is needed
- LED light indicates charge status
- Includes mounting brackets for permanent attachment to battery tray

NOTE: To properly charge and maintain batteries at full charge this charger must remain connected to a live power source at all times while in storage.

NBC **85-300A**

OUTDOORSMAN/MULTI-PURPOSE BATTERY CHARGERS

FULLY AUTOMATIC BATTERY CHARGER WITH ENGINE START



- 125/40<>15/2 Amp fast charge ratings
- Charges batteries 3 times faster
- Automatic variable 40<>15 Amps fast charge<>2 Amp trickle charge for quickly and efficiently charging car, truck, farm equipment, Marine/RV, motorcycle, ATV, snowmobile, and lawn tractor batteries in standard, AGM, gel, sealed lead acid, deep cycle, and spiral-cell designs
- 125 amp engine start for quick starting assist as needed
- Float-mode monitoring keeps battery at optimum charge level by providing just enough power to keep the battery maintained at the proper voltage. Restarts automatically after initial charging, as required
- Battery and alternator tester – digital voltmeter shows battery state of charge and helps diagnose electrical system problems
- Heavy-duty multi-purpose clamps for easy access to top and side-mount battery posts
- Reverse hook-up protection – Safe - charger will not operate if clamps are connected in reverse on battery terminals

NBC **85-640**

2 AMP COMPUTER CONTROLLED BATTERY CHARGER/MAINTAINER



- 2 Amp charge rate for 12 volt batteries
- 4 Amp charge rate for 6 volt batteries
- Charges small motorcycle, ATV, snowmobile and lawn tractor batteries
- Maintains small and large stored antique/classic car batteries
- Quick-connect polarity-protected, molded rubber connector harness
- 12V Accessory plug – charge or maintain your battery without lifting the hood
- Permanent ring-type battery connectors for hard-to-reach motorcycle batteries
- Reverse hook-up protection safeguards charger and battery
- LEDs indicate charging, charged and check battery

NBC **85-302**

BATTERY BUS BAR FOR PARALLEL CHARGING



- Enables simultaneous recharging of up to 6 batteries at the same time
- Built-in LED verifies proper connection and polarity
- Heavy-duty, 8-gauge battery cables are 5-feet long and will carry up to 40 amps.
- Color-coded and insulated clamps
- Insulated backboard allows unused clamps to be safely stored
- Threaded, side-terminal adapters provided for convenient hook-up
- Wall mounting hardware included

NBC **85-129**



Battery Chargers

RING TERMINAL LEAD FOR POWER SPORTS CHARGERS

- Ring terminal lead for *NBC* **85-001**, *NBC* **85-003** & *NBC* **85-006** Power Sport Chargers
- Provides constant connection to charge seasonal batteries
- 7.5 Amp in-line fuse protection

NBC **85-101**



Battery Chargers

BATTERY EXTENDER

- Fully automatic 1 amp battery charger/maintainer
- Sealed against moisture and garage debris
- 20' foot quick-connect cord

Contents

(1) *NBC* **85-001** 1 Amp Battery Charger/Maintainer
(1) 24" Fused Ring Leads Harness with Weather Cap
(1) Clamp Adapter
(1) Manual

Features

- Computer controlled – 8-stage charging for added precision, safety and battery life
- Auto-voltage detection – Automatically detects 6 or 12 volt batteries
- Float-mode monitoring – Automatically maintains optimum battery charge
- Reverse hook-up protection helps protect battery and charger from damage

NBC **85-001**



Battery Chargers

FULLY AUTOMATIC 3 AMP BATTERY CHARGER/MAINTAINER

Features

- Scrolling digital display
- Hook attachment
- Computer controlled – 8-stage charging for added precision, safety and battery life
- Auto-voltage detection – Automatically detects 6 or 12 volt batteries
- Float-mode monitoring – Automatically maintains optimum battery charge
- Reverse hook-up protection helps protect battery and charger from damage

NBC **85-003**



Battery Chargers

BATTERY MAINTAINER EXTENSION CABLE

- A 25' extension cable that connects between a NAPA Battery Charger Maintainer and the ring connector or battery clamps providing extra reach in the shop, garage and more
- The extension cable is designed to work with the *NBC* **85-001**, *NBC* **85-003** and *NBC* **85-006** NAPA Battery Maintainers as well as many other brands of products.
- Simple polarity coded plugs on both ends avoid reversed connections
- The extra long design allows easy organization of chargers and maintainers

NBC **85-025**

SOLAR



SOR **2001**



SOR **3001**

HEAVY-DUTY COMMERCIAL JUMP STARTERS/CHARGERS

These commercial grade heavy-duty jump starters are designed to maximize space and provide convenience to the shop. *SOR* **3001** also includes an air compressor to provide delivery of air.

- Jump starting capability is determined by specifications of user-installed battery (Requires group 31 battery – not included)
- Automatic 7 amp battery charger maintains the unit when not in use and can be optimized for AGM or conventional battery installation.
- 5' retractable jumper cable leads made of #2 gauge welding cable
- 150 psi air compressor with automatic shut-off switch (30-75 psi) and hands-free clip-on air chuck (*SOR* **3001** only)
- Small footprint and 9" pneumatic tires on split rim hubs provide excellent maneuverability in the service bay
- CEC-Compliant
- One year limited warranty

SOR **2001**	Heavy-Duty Commercial Jump Starter
SOR **3001**	Heavy-Duty Commercial Jump Starter with Air Compressor

SOLAR



HEAVY-DUTY 12/24 VOLT COMMERCIAL JUMP STARTER

The *SOR* **HT1224** is specifically designed to meet the requirements of heavy-duty applications and the over-the-road transportation industry. Features (2) installed Group 31 batteries, extra-long cables with heavy-duty clamps and automatic charging.

- Delivers 1,400 CCA in 1V mode; 800 CCA 2V mode
- Features 10' cable leads made of 1/0 welding cable
- Automatic 7A x 2 battery charger maintains unit when not in use
- Ships with (2) group 31 batteries installed
- CEC-Compliant
- 1-Year Limited Warranty

SOR **HT1224** 12/24 Volt Commercial Jump Starter



SOLAR

12/24V SMART STARTER

- Voltage Spike Protection
- Automatic Reverse Polarity Protection
- Unit powers the output leads only when a correct connection is made
- Automatic battery charger to recharge onboard batteries
- Accommodates two batteries to Group 31 Size
- Remote switch for safe operation
- Batteries not included
- CEC-Compliant
- 1-Year Limited Warranty

SOR **4001**



SOLAR

FIXED MOUNT BOX 12/24 VOLT COMMERCIAL JUMP STARTER

The *SOR* **FMB1224** is specifically designed for permanent installation on a service vehicle providing service to heavy-duty fleets. Features (3) installed Group 31 batteries, extra-long cables with heavy-duty clamps and automatic charging.

- Delivers 1,800 CCA in 12V mode; 900 CCA 2V mode
- Automatic 7A x 3 battery charger maintains unit when not in use
- Features 16' cable leads made of 4/0 welding cable
- Ships with (3) group 31 batteries installed
- Features alternator harness for on-vehicle recharging
- Each model is backed by a one year limited warranty
- CEC-Compliant
- 1-Year Limited Warranty

SOR **FMB1224** 12/24 Volt Commercial Jump Starter



TRUCK PAC® 12/24 VOLT JUMP STARTER

Talk about versatility: the *SOR* **ES1224** provides both 12 Volt and 24 Volt jump starting all from the same unit. With the *SOR* **ES1224**, you can choose between 12 or 24 volt starting power with the turn of a switch. The **Truck PAC** from **Booster PAC®** offers extreme power to handle the most stubborn situations you encounter from both 12 volt or 24 volt systems.

- 3,000 Peak Amps – 12 Volt Mode
- 1,500 Peak Amps – 24 Volt Mode
- 750 Cranking amps of jump starting power (12V)
- Excellent for cold weather climates
- Ideal for automotive, fleet, heavy-duty, construction, marine and agricultural applications
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- 60", #2 Gauge Cables
- Industrial Grade Hot Jaw™ clamps penetration corrosion on battery terminals
- Includes wall charger and 12 Volt Male-Male extension cord
- One year limited warranty

SOR **ES1224** 3,000 Peak Amp 12/24 Volt Jump Starter
SOR **ESA26** Replacement Wall Charger for *SOR* **ES1224**
SOR **ESA1** Replacement 12 Volt Male-Male Extension Cord

Clore Automotive TRUCK PAC BY BOOSTER PAC

PROFESSIONAL STARTING POWER

- Excellent for cold weather climates
- Featuring **ES Series** batteries, specifically designed for vehicle jump starting applications
- The ease and convenience of automatic charging eliminates the possibility of overcharging and allows you to keep your **Booster PAC** or **Truck PAC** in an always-ready state
- Long length, heavy-gauge cables remain flexible in extreme temperatures, enable efficient power transfer and allow ideal unit placement when jump starting
- Heavy-duty, Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and transfer maximum jump starting power to the vehicle's battery
- Conveniently located 12 Volt DC outlet with cover and overload protection for powering 12V accessories
- Battery Status LEDs provide a quick snapshot of battery condition, allowing easy assessment of unit's readiness
- Safety storage holsters prevent accidental sparking of clamps and rotate 90° for easy clamp removal



Features exclusive AWS - Advanced Warning System™ to alert the operator when specific unsafe jump starting conditions exist.



TRUCK PAC® 3,000 PEAK AMP JUMP STARTER

- 3,000 Peak amps of jump starting power
- 800 Cranking amps of jump starting power
- The powerful *SOR* **ES6000** is perfect for heavy-duty starting in even the harshest environments
- Features dual **ES Series** batteries, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always ready"
- 54", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 volt extension cord
- One year limited warranty



SOR **ES6000** 3,000 Peak Amp Jump Starter
SOR **ESA217** Replacement Wall Charger for *SOR* **ES6000**
SOR **ESA1** Replacement Male-Male Extension Cord

BOOSTER PAC® 1,500 PEAK AMP JUMP STARTER

- 1,500 Peak amps of jump starting power
- 400 Cranking amps of jump starting power
- The powerful *SOR* **ES5000** is ideal for a variety of professional environments, from automotive to marine to agriculture
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always-ready"
- 43", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 Volt extension cord
- One year limited warranty



Item No.	Description
SOR **ES5000**	1,500 Peak Amp Jump Starter
SOR **ESA217**	Replacement Wall Charger for *SOR* **ES5000**
SOR **ESA1**	Replacement Male-Male Extension Cord
SOR **ES5000C**	1,500 Peak Amp Jump Starter – CEC-Compliant
SOR **ESA218**	Replacement Wall Charger for *SOR* **ES5000C**

BOOSTER PAC® 900 PEAK AMP JUMP STARTER

- 900 Peak amps of jump starting power
- 300 Cranking amps of jump starting power
- Easy-to-use and lightweight, this compact jump starter is powerful enough to start cars, trucks and marine equipment
- Featuring our exclusive **ES Series** battery, specifically designed for vehicle jump starting applications
- Automatic charging allows you to keep it "always-ready"
- 23", #4 gauge cables
- Battery status LEDs
- Includes wall charger and Male-Male 12 Volt extension cord
- One year limited warranty



Item No.	Description
SOR **ES2500**	900 Peak Amp Jump Starter
SOR **ESA22**	Replacement Wall Charger for *SOR* **ES2500**
SOR **ESA1**	Replacement Male-Male Extension Cord
SOR **ES2500C**	900 Peak Amp Jump Starter – CEC-Compliant
SOR **ESA214**	Replacement Wall Charger for *SOR* **ES2500C**



High Intensity Flashlight removes to reveal a 12 Volt outlet to power accessories.



JUMP-N-CARRY ULTRA-PORTABLE JUMP STARTER

- 900 Peak amps of jump starting power
- 225 Cranking amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- Convenient, compact, portable design makes the *SOR* **JNC300XL** the ultimate go-anywhere, store-anywhere jump starter
- 27", #4 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Status LEDs provide a quick snapshot of battery condition
- Full size clamps for strong battery connections
- One year limited warranty

Item No.	Description
SOR **JNC300XL**	900 Peak Amp Ultra-Portable Jump Starter
SOR **JNC212**	Replacement Wall Charger for *SOR* **JNC300XL**
SOR **JNC300XLC**	900 Peak Amp Jump Starter – CEC-Compliant
SOR **JNC214**	Replacement Wall Charger for *SOR* **JNC300XLC**

MEMORY SAVER CONNECTOR

- Can be used in conjunction with a jump starter to preserve vehicle codes and electronic presets while a vehicle's battery is disconnected
- Interface connector between a jump starter and a vehicle's OBD II port
- Prevents electronic memory loss when disconnecting a vehicle's battery
- LED confirms a proper connection has been made to the OBD2 port
- 90 Day limited warranty

SOR **ESA30**



JUMP-N-CARRY 12/24 JUMP STARTER

- 3,400 Peak amps – 12 Volt, 1,700 Peak Amps – 24 Volt
- 850 Cranking amps of jump starting power (12 volt mode)
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Quick connects enable fast, easy change of voltage output from 12 Volt to 24 Volt and back again
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- CEC-Compliant, 1 year limited warranty



SOR **JNC1224** 12/24 Volt Jump Starter

JUMP-N-CARRY 2,000 PEAK AMP JUMP STARTER



- 2,000 Peak amps of jump starting power
- 700 Cranking amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade Hot Jaw™ clamps penetrate corrosion on battery terminals and provide maximum power transfer to vehicle's battery
- Built-in automatic charger
- Battery status gauge provides specific state of battery charge
- CEC-Compliant, 1 year limited warranty

SOR **JNC950** 2,000 Peak Amp Jump Starter

JUMP-N-CARRY 1,700 PEAK AMP JUMP STARTER



- 1,700 Peak amps of jump starting power
- 425 Cranking Amps of jump starting power
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- 46", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in automatic charger – eliminates overcharging and never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- One year limited warranty

SOR **JNC660** 1,700 Peak Amp Jump Starter
SOR **JNC660C** 1,700 Peak Amp Jump Starter - CEC Compliant

JUMP-N-CARRY JUMP STARTER/ POWER SOURCE/AIR COMPRESSOR



The JNCAIR takes multi-function professional jump starting to a whole new level. You can count on legendary **Jump-N-Carry** performance for reliable jump starting even in the harshest environments. Plus, with automatic charging from a built-in charger, extra-long 68" cables, integrated air gauge and 12 ft. coiled air hose, the JNCAIR is as convenient as it is powerful.

- 1,700 Peak amps of jump starting power
- 425 Cranking amps of jump starting power
- Starts cars, trucks, watercraft and more
- Featuring the **Clore PROFORMER** battery, specifically designed for vehicle jump starting applications
- Built-in charger with the convenience of automatic charging
- 68" cables allow ideal positioning when jump starting
- Industrial Grade clamps transfer maximum jump starting power to the vehicle's battery
- 12 Volt power outlet with automatic circuit protection to power accessories
- Powerful air delivery system features integrated air gauge and 12 ft. coiled air hose with screw-on chuck
- CEC-Compliant
- One year limited warranty

SOR **JNCAIR** Jump Starter/Power Source/Air Compressor

JUMP-N-CARRY 1,100 PEAK AMP JUMP STARTER



- 1,100 Peak amps of jump starting power designed for automotive jump starting applications
- 325 Cranking amps of jump starting power
- 23", #2 gauge cables remain flexible in extreme temperatures and enable ideal unit placement while jump starting
- Industrial Grade clamps penetrate corrosion on battery terminals for secure connection
- Built-in charger – the ultimate in convenience, it never gets lost
- Battery status gauge provides specific state of battery charge
- DC outlet to power 12 Volt accessories
- CEC-Compliant
- One year limited warranty

SOR **JNC4000** 1,100 Peak Amp Jump Starter

PROSERIES JUMP STARTER

- High output professional grade AGM batteries
- 3 Amp built-in, automatic charger
- On/Off switch
- Reverse hook-up alarm
- Two function digital display
- 12 Volt DC power outlet
- Heavy duty clamps have replaceable copper jaws
- Durable, rust and corrosion proof, polypropylene case
- Unique, high-impact rubber base
- Vented case for added safety

Battery Chargers

JUMP STARTER & PORTABLE POWER UNIT 2 - 18 AH BATTERIES



- 3600 peak amps
- 470 cranking amps
- 385 cold cranking amps
- Two, 18 Ah professional-grade, high output AGM batteries
- 2-Gauge, 55-inch cables

NBC **PSJ-3612**

Battery Chargers

JUMP STARTER & PORTABLE POWER UNIT 22 AH BATTERY



- 2200 peak amps
- 330 cranking amps
- 275 cold cranking amps
- 22 Ah professional grade, high output AGM battery
- 4 gauge, 50 inch cables

NBC **PSJ-2212**

Battery Chargers

JUMP STARTER & PORTABLE POWER UNIT 2 - 22 AH BATTERIES



- 12V and 24V applications
- 4400 peak amps
- 500 cranking amps
- 415 cold cranking amps
- Two, 22 Ah professional-grade, high output AGM batteries
- 2 gauge, 55 inch cables

NBC **PSJ-4424**

Battery Chargers

JUMP STARTER

Features

- 12 Volt DC power outlet
- Built-in automatic 1 amp charger
- Charging and charged status LEDs
- Battery status LED
- Polypropylene case

JUMP STARTER & PORTABLE POWER UNIT



- 1800 peak amps
- 280 cranking amps
- 225 cold cranking amps
- 18 Ah professional grade, high output AGM battery
- 4 Gauge, 28 inch cables

NBC **PSJ-1812**

BLUE FUEL LITHIUM JUMP STARTER / POWER PACK



- Portable power in remote locations
- 12,000 mAh Lithium ion phosphate battery
- Cranking current – 400A peak, 270A cranking
- 2 Amp USB
- 12V/DC Memory saver up to 6A
- Scrolling display
- USB to Micro USB adapter
- 12V Adapter
- TSA Checkpoint friendly

NBC **85-901**

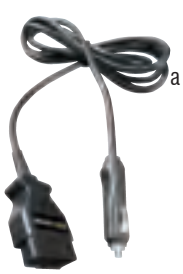
MEMORY SAVER



- On Board Diagnostics Connector (OBDII) plugs directly into vehicle's OBDII Port or 12V Port in vehicle
- Protects on-board computer memory in devices and accessories while battery is disconnected
- Powerful 7 AH battery with internal smart charger
- Easy-to-read LEDs indicates battery and charging status
- Saves times and improves customer satisfaction

NBC **NIN-7A-OBD**

MEMORY SAVER CABLE



- Converts any 12V jump starter to powerful memory saver, must have for every technician
- Plugs into the OBD2 connector in vehicle and 12V port on a jump starter providing back-up power during battery service
- Preserves stored fault codes & programmed electronic settings (i.e. clocks, radios, seat positions)
- Easy to see LED notes secure connection

NBC **NIN-12V-OBD**

OBD2 MEMORY SAVER DETECTOR

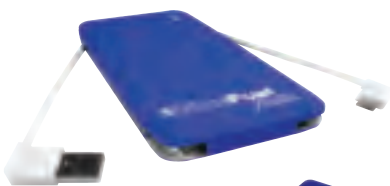


- Automatically detects if the vehicles electronics will allow this device to save on-board data
- Fully automatic
- Standard fuse protected auxiliary input plug
- Easy to follow 3-step instructions printed on unit
- LED indicators
- Works on all vehicles equipped with a standard OBD2 port

NBC **85-100**



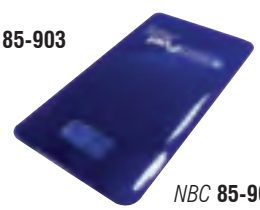
NBC **85-902**



NBC **85-903**

BLUE FUEL MOBILE LITHIUM POWER PACK

Ideal for charging all your small portable devices, such as smartphones, MP3 players, cameras, wireless headphones, and portable gaming systems.



NBC **85-904**

Item No.	Description
NBC **85-902**	2,600 mAh – up to 1 day of extra battery life. 1 Amp USB Port
NBC **85-903**	Embedded cables for charging micro USB and USB devices. Power Button & LED Indicator. 4,200 mAh – up to 2 days of extra battery life. 1 Amp & 2 Amp USB Ports
NBC **85-904**	Digital LCD backlit display for charging and battery status. "Shake to Wake" technology. 10,000 mAh – up to 5 days of extra battery life. 1 Amp & 2 Amp USB Ports

LITHIUM ION 360° CORDLESS WORK LIGHT AND MAGNETIC TORCH



- Two swivel hooks and three covered magnets allow hands-free operation
- 10 Super-bright SMD LEDs
- High-powered 3W directional torch
- Multi-function switch for high/low and torch function
- Charging port for included 120V AC and 12V chargers
- Unique ball joint enables 360° swivel and tilt
- Rechargeable lithium ion battery

NBC **85-911**

NAPA BALKAMP


BK **782-4050**


BK **782-5258**


BK **782-5257**


BK **782-5255**


BK **782-5254**


BK **782-5260**


BK **782-5259**


BK **782-5252**


BK **782-5253**


BK **782-5251**

100% COPPER BOOSTER CABLES

Featuring tangle-free cables with color-coded handles and Sure-Grip jaw clamps unless otherwise noted.

Item No.	Type	Gauge	Length	Amps	Description
BK **782-4050**	Standard	10	10 ft.	50	Standard service booster cables are made from 100% copper conductors, tough vinyl insulation with tangle-free dual cable construction and color-coded clamps. Ideal for use on motorcycles and other small engines. Storage bag included.
BK **782-5258**	General Duty	10	8 ft.	200	Color-coded, insulated handles. Tangle-free. Complete how-to instructions included.
BK **782-5257**	General Duty	10	12 ft.	200	Color-coded, insulated handles. Tangle-free. Complete how-to instructions included.
BK **782-5255**	Heavy Duty	8	12 ft.	350	Color-coded, insulated handles. Tangle-free. Heavy-duty insulation. Pure copper conductors. Stays flexible down to -30°F.
BK **782-5254**	Professional	6	12 ft.	400	Designed to grip side-mount or top-post terminals. Heavy-duty insulation. Pure copper heavy-duty conductors. Remains flexible down to -30° F.
BK **782-5259**	Commercial	4	25 ft.	600	Heavy-duty clamps, five-foot connector cable plus 20 ft. booster cable mounts to any service Heavy Duty vehicle's battery. Both side-mount and top-post terminals. Pure copper conductor. Heavy-duty insulation remains flexible in sub-zero temperatures. Includes all installation hardware and connector protective cap.
BK **782-5260**	Commercial	4	5 ft.	600	Mounts to any service vehicle's battery. Polarity protected. Weather-proof, plug-in connector. Heavy Duty Pure copper conductors. Includes all installation hardware. For use with BK **782-5259.**
BK **782-5252**	Commercial	4	20 ft.	500	Safe-grip handles, Marquette-type clamps, extra heavy-duty insulation and pure copper Heavy Duty conductors. Remains flexible to -50°F.
BK **782-5253**	Commercial	4	16 ft.	400	Designed to grip side-mount or top-post terminals. Extra heavy-duty insulation, pure copper Heavy Duty conductors. Remains flexible to -50°F.
BK **782-5251**	Commercial	2	25 ft.	600	Heavy-duty clamps with sure-grip handles. Grips, side-mount or top-post terminals. Welding cable-grade insulation with pure copper conductors. Sure-grip handles. Remains flexible in sub-zero temperatures.

EVERCRAFT™


BK **782-1653**


BK **782-1654**


BK **782-1655**


BK **782-1656**


BK **782-1657**

EVERCRAFT VALUE LINE BOOSTER CABLES

Item No.	Type	Gauge	Length	Clamp Amps	Description
BK **782-1653**	Light Duty	10	8 ft.	250	Features color-coded, solid-copper clamps. All-weather construction stays flexible in cold temperatures. Versatile clamp design easily grips Side Mount or Top Mount terminals.
BK **782-1654**	Light Duty	8	10 ft.	250	
BK **782-1655**	Light Duty	6	10 ft.	350	
BK **782-1656**	Medium Duty	4	16 ft.	400	Heavy-duty Sure-Grip parrot-style clamps feature solid copper contact pads for a tight grip on Side Mount or Top Post terminals. Color-coded handles and all-weather construction.
BK **782-1657**	Medium Duty	2	20 ft.	500	

**** Represents maximum allowable clamp ratings and does not reflect cables actual maximum amp capacity.***



CINCH-LOCK™ BOOSTER CABLES

Cinch-Lock™ technology provides safer and easier jump starts. Clamps lock onto terminals and stay safely locked during use. Heavy-duty, tangle-free cables fit top and side-mount batteries.

BK **782-4001**

Item No.	Description
BK **782-4001**	Ultra Power™ (large cars/mid-size trucks & SUVs) 6 gauge, 16 ft.
BK **782-4002**	Ultimate Power™ (large trucks & SUVs) 4 gauge, 20 ft.



BK **782-5272** *BK* **782-5273** *BK* **782-5269** *BK* **782-5268**

REPLACEMENT CLAMPS

Feature one positive (red) and one negative (black) clamp. All will accept up to four-gauge cable, except *BK* **782-5268**.

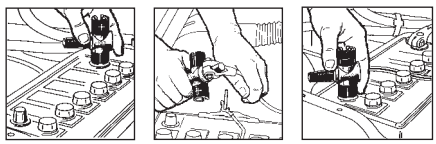
Item No.	Type	Amps	Description
BK **782-5272**	Professional	350	Copper construction with heavy-duty Sure-Grip insulated handles. Replacement clamps for *BK* **782-1655.**
BK **782-5273**	Professional	400	Polyethylene coated for maximum Heavy Duty protection. Heavy-duty clamp springs. Grips both side-mount and top-post terminals. Replacement clamps for *BK* **782-5253** and *BK* **782-5254.**
BK **782-5269**	Commercial	500	Marquette-type clamp, featuring Heavy Duty solid copper jaws ideal for booster cables and battery chargers. Replacement clamps for *BK* **782-5252**, *BK* **782-1656**, and *BK* **782-1657.**
BK **782-5268**	Commercial	600	Features Sure-Grip handles and Heavy-Duty solid copper construction for maximum current. Will accept up to 2 ga. cable. Replacement clamps for *BK* **782-5250**, *BK* **782-5251** and *BK* **782-5259.**



SIDE TERMINAL BATTERY WRENCH

Use this nickel-plated wrench for terminal batteries or any 5/16" terminal bolts. Durable, corrosion resistant and features insulated handle to reduce risk of electrical shock. Do not use with engine running.

SER **3367**





BATTERY TERMINAL SPREADER & CLEANER

Sharp steel blades remove corrosion and put correct angle on terminal clamps and posts. Features six-blade tapered reamer to quickly clean terminal clamps.

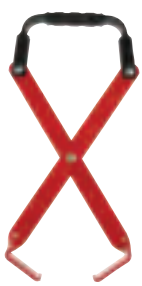
SER **2173**



HEAVY-DUTY REMOTE STARTER SWITCH

Push-button design allows one person to start and crank engine from under the hood. Red "ready" light glows when switch is connected to a hot circuit. Features 20 amp, high-current clips that open wide (5/8"), 12 gauge conductors with rubber insulation and soft, non-slip rubber grip. Lead length: 5'

BK **700-2439**



BATTERY LIFT & CARRY TOOL

For lifting and carrying batteries safely! Steel jaws securely grip battery just below top lip for good balance. Spring-action, form-fitting handle turns lifting power into battery gripping pressure, providing a solid gripping surface. Works on almost any battery, including boats and motorcycles.

SER **77-4014**



BATTERY CARRYING STRAP

Durable plastic strap carries top and side mounted terminal batteries. Length: 14".

SER **2279**



BATTERY SERVICE TOOL KIT

Helps to maintain batteries on most vehicles. Kit includes battery terminal puller, battery nut pliers, battery terminal spreader/cleaner, battery terminal brush and 5/16" x 10mm extra long battery wrench in roll pouch for easy storage.

Item No.	Description	*SER* **41701 Set**
SER **202**	Battery Terminal Puller	•
SER **206**	Battery Brush	•
SER **204**	Battery Terminal Spreader/Cleaner	•
SER **203**	Battery Nut Puller	•
SER **6571**	5/16" x 10mm Extra Long Wrench	•

AIR CONDITIONING

A/C Charging & Conversion Hoses 395-396
A/C Charging Hose Repair Parts 398
A/C Chemicals 408-411
A/C Flushing & Vacuum Pumps 399
A/C Leak Detection Equipment 403-407
A/C Manifold Gauges 392-394
A/C Service Tools 400-401, 411-415
A/C Shut-Off Valves & Adapters 397
A/C Units & Accessories 386-391
Non-Contact Thermometers 401-402
Refrigerant Identifiers 402

ROBINAIR

ROBINAIR PREMIUM A/C RECOVERY RECYCLE RECHARGE MACHINE



Premium R-134a Recover, Recycle, and Recharge A/C machine that gives the user the ability to inject dye, flush a vehicle's A/C system, save before and after service data and print that data to provide service information to a customer

Features

Automatic Dye Inject — Gives the user the ability to use the machine to inject UV dye into a vehicle's A/C system

Automatic Oil Measure & Inject - The machine will automatically determine how much lubrication oil needs to be injected back into the A/C system based on how much oil was taken out during recovery.

A/C System Flush — Flushes a vehicle's A/C system with refrigerant eliminating a residual oil or other liquid contaminants from the system.

Save & Print Before and After Service Data — Allows the user to store before and after service information by vehicle and print this information to provide to a customer.

Indicator Light and Notification Alarm — Notifies the user when service is complete, or if a problem has occurred.

Specifications

Voltage: 115V 60Hz
Refrigerant Container On-board: ..... 30 lb. (14kg) vessel
..... (source tank not included)
Operating Range: ..... 50° to 120°F (11° to 49°C)
Recycling Filter-Drier: ..... 43 cu. in. spin-on type ROB 34724
Pump Free Air Displacement: ..... 1.5 CFM (71 L/min)
Dimensions: ..... 56.75" H x 24" W x 36" D (144 cm x 61 cm x 91 cm)
Shipping Weight: ..... 232 lbs. (105 kg)

ROB **34988**

A/C CAPACITIES DATABASE 2014



Puts A/C system charge capacities at the user's finger tip when used with a Robinair *ROB* **34788**, *ROB* **34788-H**, and *ROB* **34988** A/C RRR machines. Includes charge amounts and component oil capacities for vehicle model years 2014-97.

ROB **34411-E**

A/C CAPACITIES DATABASE 2014



Puts A/C system charge capacities at the user's finger tip when used with a Robinair A/C RRR machine. Includes charge amounts and component oil capacities for vehicle model years 2014-97. Works with models *ROB* **34788NI** and *ROB* **34788NI-H**.

ROB **34412**

COOL-TECH FULLY AUTOMATIC A/C MACHINE



Combines simple operation with superior accuracy. The Cool-Tech *ROB* **34788** recovers, recycles, evacuates, leak tests, and recharges R-134a quickly and accurately. Automatic operation means less attention is needed!

Features

Automatic Function — With this new option, you can program the unit to recover, vacuum, leak test, charge, and then walk away without having to operate panel valves.

Vacuum Leak Test — Will monitor the vacuum level after an evacuation, and inform the technician of a possible leak in the vehicle's A/C system.

Automatic Refrigerant Refill — With this latest advance, you never have to stop in the middle of a job to change refrigerant tanks. The unit maintains a user selectable amount of refrigerant in an internal vessel, and signals when it's time to change the supply tank, so no monitoring is required.

Automatic Air Purge — Eliminates damaging air without any monitoring of gauges or opening of valves.

Automatic Oil Drain — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle. Graduations on the container clearly show you how much oil needs to be replaced.

Refrigerant Charging — Has never been this easy. Select a charge mode from either the high side, low side, or both. Accuracy features eliminate guesswork!

Refrigerant Management Systems — New and improved, system displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains.

Vacuum Function — Defaults to 15 minutes, but is programmable up to 99 minutes. Remaining vacuum time is displayed on the screen.

Specifications

Voltage ..... 115V 60 Hz
Refrigerant Container On-board ..... 30 lb. (14 kg) vessel
..... (source tank not included)
Operating Range ..... 50° to 120°F (11° to 49°C)
Recycling Filter-Drier ..... 43 cu. in. spin-on type
Pump Free Air Displacement ..... 1.5 cfm (142 L/min)
Dimensions ..... 44" H x 34" W x 23" D (127 cm x 86.4 cm x 58.4 cm)
Shipping Weight ..... 235 lbs. (106.6 kg)

ROB **34788** Cool-Tech Fully Automatic A/C Machine
ROB **34724** Replacement Filter

ROBINAIR

MULTIPLE RECOVERY/ RECYCLING UNIT



For Multiple Refrigerants
The ROB **17800-B** recovers, recycles, evacuates and recharges — all in one fast, continuous operation through one hook-up. It's ideal for refrigerated trailers, buses, RVs and other vehicles that use more than one refrigerant. The Cool-Tech Multi is also great for fleet maintenance, covering a variety of makes and models, since it has R-12 and R-134a capabilities. In-plant maintenance departments will find it can handle the different types of refrigerants used in various systems.
Microprocessor — Controls functions; prompts lead you through programming, and also signal when it's time to change the filter drier, vacuum pump oil and compressor oil.
Float Chamber — Automatically adjusts from liquid to vapor for most efficient recovery.
Electronic Scale — Makes it simple to recharge to factory specifications; also weighs recovered refrigerant, and provides tank overfill protection.
CoolTech Vacuum Pump — 6 CFM has the capacity to thoroughly evacuate system, readying it for recharging.
Lockout Panel — Prevents mixing of refrigerants; rotates to one side for 1/4" fittings and to the other for 1/2" Acme fittings.
Single-Pass Recycling — Makes an initial pass through the filter-drier; additional recycling can be programmed in case of compressor burn-out or other conditions.
Heavy-Duty Filter-Drier — Removes moisture and acid from the refrigerant; can handle up to 200 pounds between changeovers.
Three Sets of Charging Hoses are Included — one for R-12, one for automotive R-134a (with field service couplers), and one for other refrigerants using 1/4" SAE fittings.

Specifications

Voltage: ..... 115V 60 Hz
Tanks: ..... Two 50 lbs. (23 kg) refillable
Operating Range: ..... 50° to 105° F (11° to 41° C)
Recovery Rate — Vapor: ..... 1/2 lbs./min. (.2 kg/min)
Recovery Rate — Liquid: ..... 1 lbs./min. (.4 kg/min)
Recycling Rate: ..... 4 lbs./min. (1.8 kg/min.) flow rate
Recycling Filter-Drier: ..... 1150 g XH-9
Pump Free Air Displacement: ..... 6 cfm (142 l/min.) at 50 Hz
Dimensions: ..... 47" H x 26" W x 30" D
CE UL ..... (119 cm x 66 cm x 77 cm)
Weight: ..... 256 lbs. (116 kg) without tank

Design certified by UL to meet SAE J-1770.
Also listed in ARI directory.

Item No.	Description
ROB **17800B**	Multiple Recovery/Recycling Unit
Replacement Parts	
ROB **19776**	Recycling Filter-Drier
ROB **17506**	50 lbs. (23 kg) Refillable Tank, 1/4" fittings
ROB **34750**	50 lbs. (23 kg) Refillable Tank, 1/2" ACME fittings

ROBINAIR

COOL-TECH SEMI-AUTOMATIC A/C MACHINE



Combines simple operation with superior accuracy. The Cool-Tech *ROB* **34288** recovers, recycles, evacuates, leak tests, and recharges R-134a quickly and accurately. Semi-automatic operation means less attention is needed!

Features

Automatic Recovery — When this mode is selected, the *ROB* **34288** looks for pressure from the vehicle and proceeds if the pressures are acceptable.
Vacuum Leak Test — Will monitor the vacuum level after an evacuation, and inform the technician of a possible leak in the vehicle's A/C system.
Automatic Air Purge — Eliminates damaging air without any monitoring of gauges or opening of valves.
Automatic Oil Drain — The unit automatically drains system oil captured during recovery, and the display reminds you to empty the bottle. Graduations on the container clearly show you how much oil needs to be replaced.
Refrigerant Charging — Has never been this easy. Select a charge mode from either the low side, or low side and high side. Accuracy features eliminate guesswork! (manual operation using panel valves)
New Display — The new, easier-to-read 4 x 20 display features multilingual capability – The user can select English, Spanish, or French languages.
Refrigerant Management Systems — New and improved, system displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains. Replacement Filter Item No. *ROB* **34724**.
Vacuum Function — Defaults to 15 minutes, but is programmable up to 99 minutes. Remaining time is displayed on the screen.

Specifications

Voltage: ..... 115V 60 Hz
Refrigerant Container On-board: ..... 30 lb. (14 kg) vessel
..... (source tank not included)
Operating Range: ..... 50° to 120°F (11° to 49°C)
Recycling Filter-Drier: ..... 43 cu. in. spin-on type *ROB* **34724**
Pump Free Air Displacement: ..... 1.5 cfm (71 L/min)
Dimensions: ..... 50" H x 34" W x 23" D (123 cm x 87 cm x 59 cm)
Shipping Weight: ..... 225 lbs. (102 kg)
ROB **34288**

Mastercool
World Class Quality

A/C RECOVERY MACHINE



Recovers and removes moisture, oil and debris from refrigerant. New Recovery System offers a state of the art 1/2 HP oil-less compressor with a built-in high-volume cooling fan for fast recovery. Color-coded sight gauge identifies when filter dryer replacement is needed. A/C Recovery System includes recovery unit with built-in oil separator and filter dryer, 30 lb. DOT tank and cable, 72" yellow and blue hoses and oil purge bottle.
NTE **78-3873**

ROBINAIR



A/C REFRIGERANT RECOVERY & RECYCLING UNIT

The *ROB* **AC1234-6** fully meets SAE's requirement for recovering, recycling and recharging vehicle A/C systems that use the new R1234YF refrigerant. The *ROB* **AC1234-6** is a fully automatic ACS machine that comes with an integrated refrigerant identifier that samples the refrigerant in the vehicle's A/C system prior to recovery, is a highly accurate and reliable machine, WILL NOT WORK ON R-134 SYSTEMS.

Features

Fully automatic operation – program for service, walk away and return when complete. 95% recovery efficiency
Programmable vacuum operation – helps get to the necessary vacuum level in any condition quickly.
System leak test – to identify gross leaks in a system.
Charge accuracy – within +/- ½ oz.
Automatic oil drain – shows how much oil was removed from the system during service.
Automatic air purge – removes the potential of air accumulating in the internal tank.
Integrated refrigerant identifier – (meets SAE J2927)
Liquid refrigerant flushing function – can flush A/C systems or individual components using liquid refrigerant instead of harsh chemicals.
Automatic internal tank refill – No stopping to fill the internal tank during service, or before service.
¼ Color VGA display – Large easy to read graphical display. On-board printer capable of printing vehicle service report slips to present to customers. Meets all requirements of SAE J2843

ROB **AC1234-6**



MAINTENANCE KITS

- Keep recovery and recycling units operating at peak efficiency with a convenient maintenance kit.
- Contains one quick change filter-drier to be used on both R-12 and R-134a stations, and one 16 ounce bottle of our Premium High Vacuum Pump Oil.

Item No.	Description
ROB **34724**	Spin-on recycling filter-drier *ROB* **34988**, *ROB* **34788**, *ROB* **34288**, *ROB* **34700Z**, & *ROB* **34134Z**.
ROB **13172**	Spin-on recycling filter-drier *ROB* **34988**, *ROB* **34788**, *ROB* **34288**, *ROB* **34700Z**, & *ROB* **34134Z**. Includes premium high vacuum pump oil.



PREMIER R-134A REFRIGERANT RECOVERY, RECYCLING AND RECHARGING MACHINE

Robinair introduces its next innovation, the *ROB* **34788NI**, featuring an industry-leading 98.5% recovery efficiency for standard and hybrid vehicles and fully automatic function. Robinair *ROB* **34788NI** and *ROB* **34788NI-H** machines recover, recycle, evacuate, leak-test and recharge R-134a with improved 98.5% efficiency – unmatched by any competitor. The new design features a larger graphical display, automatic features including leak testing, automatic refrigerant refill and oil drain/inject – putting A/C lubricant back into the system. *ROB* **34788NI** also boasts the ability to add a printer, USB data sharing, refrigerant identifier and wireless module for Wi-Fi or Bluetooth® communication. An optional refrigerant charge and oil capacities database is available for North American market vehicles.
Fully-Automatic Function – Program to recover, vacuum, leak test and charge without operating panel valves
Automatic Oil Drain – A display reminds you to empty the graduated container to show the amount of oil to replace
Oil Inject – Automatically inject oil back into the vehicle's A/C systems
Refrigerant and Oil Database – A/C system capacities for North American market vehicles (optional – not included with the machine)
Save and Print Before and After Service Data – Allows the user to store before and after service information by vehicle and print this information to provide to a customer
Visual and Audible Alarm – Notifies the user when service is complete, or if a problem has occurred
Vacuum Leak Test – Monitors level after evacuation, informs of possible leak
Automatic Air Purge – Eliminates system-damaging air without monitoring gauges or opening valves
Automatic Refrigerant Refill – Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required
Vacuum Feature – Defaults to 15 mins., programmable up to 99 mins. Remaining time is displayed
Display – Multilingual
Refrigerant Charging – Select a charge mode from high or low side, or use both sides
Refrigerant Management System – Displays refrigerant use and monitors remaining filter life. Prompts appear when ⅓ of filter life remains.
Optional printer
Optional refrigerant identifier

ROB **34788NI**

ROBINAIR



PREMIER R-134A REFRIGERANT RECOVERY, RECYCLING AND RECHARGING MACHINE FOR HYBRID AND NON-HYBRID VEHICLES

Robinair introduces its next innovation, the *ROB* **34788NI-H**, featuring an industry-leading 98.5% recovery efficiency for standard and hybrid vehicles and fully automatic function. Robinair *ROB* **34788NI** and *ROB* **34788NI-H** machines recover, recycle, evacuate, leak-test and recharge R-134a with improved 98.5% efficiency – unmatched by any competitor. The new design features a larger graphical display, automatic features including leak testing, automatic refrigerant refill and oil drain/inject – putting A/C lubricant back into the system. *ROB* **34788NI-H** also boasts the ability to add a printer, USB data sharing, refrigerant identifier and wireless module for Wi-Fi or Bluetooth® communication. An optional refrigerant charge and oil capacities database is available for North American market vehicles.

Fully-Automatic Function – Program to recover, vacuum, leak test and charge without operating panel valves

Automatic Oil Drain – A display reminds you to empty the graduated container to show the amount of oil to replace

Refrigerant and Oil Database – A/C system capacities for North American market vehicles (optional – not included with the machine)

A/C System Flush – Flushes a vehicle's A/C system with refrigerant, eliminating any residual oil or other liquid (flushing adapters not included)

Save and Print Before and After Service Data – Allows the user to store before and after service information by vehicle and print this information to provide to a customer

Visual and Audible Alarm – Notifies the user when service is complete, or if a problem has occurred

Vacuum Leak Test – Monitors level after evacuation, informs of possible leak

Automatic Air Purge – Eliminates system-damaging air without monitoring gauges or opening valves

Automatic Refrigerant Refill – Maintains a user-selectable amount of refrigerant in an internal vessel and signals when it's time to change supply tank, no monitoring required

Vacuum Feature – Defaults to 15 mins., programmable up to 99 mins. Remaining time is displayed.

Display – Multilingual

Refrigerant Charging – Select a charge mode from high or low side, or use both sides

Refrigerant Management System – Displays refrigerant use and monitors remaining filter life. Prompts appear when 1/3 of filter life remains

Electric Vehicle – Capable of servicing high-voltage electric compressor A/C systems

Optional printer

Optional refrigerant identifier

ROB **34788NI-H**

Mastercool "World Class Quality"



MASTERCOOL® R-134A AUTOMATIC RECOVERY, RECYCLE AND RECHARGE MACHINE

Features

- Quality performance year after year
- Large Display: 4.8" (122mm) W x 1.7" (42mm) H
- Design Certified for Compliance with SAE J2788
- New A/C systems are smaller. Machines must charge within .5 oz. and recover 95% of the refrigerant.
- Automatic/Programmable or Manual – Can be programmed to complete a continuous recovery/recycle, vacuum, vacuum leak test and recharge. The machine can also be set to run each operation individually.
- Includes Refrigerant Capacity Database (over 1000 vehicles) – Includes refrigerant capacities for US and Import makes and models from 1995 to 2012. Capable of software upgrades as well.
- Auto Vacuum Leak Test – Can be programmed to perform a vacuum leak test and will inform the technician of possible leaks.
- Auto Oil Discharge – Oil is automatically discharged during the recovery process. If oil is present, it will drain into a graduated container clearly displaying the amount of oil that was removed.
- Auto Air Purge – Automatically purges non-condensable gas (NCG) from the storage tank during recovery.
- Auto Filter Alarm – The machine's LCD and alarm will warn that a filter change is required.
- Compact Footprint – The machine's compact design makes it easy to maneuver and requires minimal shop space.
- Full Tank Alarm – Notifies operator when tank is full. Low Refrigerant Alarm notifies operator when refrigerant is low.

Specifications

Type of Refrigerant: R-134a
Service Procedure: ..... Automatic/Programmable or Manual
Voltage: ..... 115 V / 60 Hz
Scale Resolution: ..... .02 lbs. (10g)
Working Temperature: ..... 59/120°F (11/49°C)
Filter System: ..... 2 filters for humidity
Vacuum Pump: ..... 6 CFM (100 litre/min.)
Compressor: ..... Hermetically sealed, 12cc, high pressure
Recovery Cylinder: ..... Internally mounted 30 lbs. DOT tank
Hoses: ..... 96" (250cm)
Couplers: ..... Manual
Bottle Temperature Sensor: ..... Integrated
Bottle Heater: ..... Standard Equipment
Dimensions: ..... 40.25" (102 cm) H x 22.75" (58 cm) W x 20" (51 cm) D
Weight: ..... 157 lbs. (71 kg)

NTE **69788-A** Recovery, Recycle And Recharge Machine
NTE **78-3938** Replacement Filters, 2 Pack

MASTERCOOL® FULLY-AUTOMATIC RECOVERY, RECYCLE, RECHARGE MACHINE WITH PRINTER



Features

- Large Graphic Display: 4.3" (110mm) W x 2.4" (60mm) H
- Design Certified for Compliance with SAE J2788
- New A/C systems are smaller. Machines must charge within .5 oz. and recover 95% of the refrigerant.
- Automatic/Programmable or Manual – Programmable to complete a continuous recovery/recycle, vacuum, vacuum leak test and recharge. Can also be set to run each operation individually.
- Includes Refrigerant Capacity Database (over 1000 vehicles) – Includes refrigerant capacities for US and Import makes and models from 1995 to 2012. The *NTE* **69789** is capable of software upgrades.
- Auto Vacuum Leak Test – Can be programmed to perform a vacuum leak test and will inform the technician of possible leaks.
- Auto Oil Discharge – Oil is automatically discharged during the recovery process. If oil is present, it will drain into a graduated container clearly displaying the amount of oil that was removed.
- Auto Air Purge – Automatically purges non-condensable gas (NCG) from the storage tank during recovery.
- Auto Filter Alarm – LCD and alarm will warn when a filter change is required.
- Compact Footprint – The machine's compact design makes it easy to maneuver and requires minimal shop space.
- Full Tank Alarm – Notifies operator when tank is full.
- Low Refrigerant Alarm notifies operator when refrigerant is low.
- Automatic Oil Injection – With electronic scale to protect the contents against contact and ambient humidity.
- Thermal Printer – For a complete, detailed report.

Specifications

Type of refrigerant: R-134a
Service Procedure: ..... Fully automatic or manual
Voltage: ..... 115 V / 60 Hz
Scale Resolution: ..... .02 lb. (10g)
Oil Scale Resolution: ..... .01 lb. (5g)
Working Temperature Range: ..... 59/120°F (11/49°C)
Filter System: ..... 2 filters for humidity
Vacuum Pump: ..... 6 CFM (100 litre/min) capacity, (.001 psi) 0.1 mbar vacuum level
Compressor: ..... Hermetically sealed, 12cc, high pressure
Recovery Speed: ..... .66 lb./min (300g/min) in liquid phase
Recovery Cylinder: ..... 30 lbs. (22 litres), refillable
Hoses: ..... 96" (250cm)
Couplers: ..... Manual
Thermal Printer: ..... Standard Equipment
Pressure Gauges: ..... Class 1
Bottle Temperature Sensor: ..... Integrated
Bottle Heater: ..... Standard Equipment
Dimensions: ..... 41.3" (105 cm) H x 23.6" (60 cm) W x 21.6" (55 cm) D
Weight: ..... 176 lbs. (80 kg)

NTE **69789** Recovery, Recycle And Recharge Machine
NTE **78-3938** Replacement Filters, 2 Pack

OTC

INLINE STRAINER FITTING



For use inline between tank fill hose and virgin refrigerant tank to help prevent tank debris from getting inside the A/C RRR machine. Simply screw filter fitting onto tank and connect the tank fill hose to end of fitting. Instructions included.

NTE **78-9100**

Mastercool® "World Class Quality"

MASTERCOOL® R-134A & HYBRID RECOVERY, RECYCLE AND RECHARGE MACHINE



Features

- Quality performance year after year
- Large Graphic Display: 4.3" (110mm) W x 2.4" (60mm) H
- Design Certified for Compliance with SAE J2788
- New A/C systems are smaller. Machines must charge within .5 oz. and recover 95% of the refrigerant.
- Automatic/Programmable or Manual – The *NTE* **69789-H** can be programmed to complete a continuous recovery/recycle, vacuum, vacuum leak test and recharge. The machine can also be set to run each operation individually.
- Includes Refrigerant Capacity Database (over 1000 vehicles) Includes refrigerant capacities for US and Import makes and models from 1995 to 2012. Capable of software upgrades as well.
- Auto Vacuum Leak Test – Can be programmed to perform a vacuum leak test and will inform the technician of possible leaks.
- Auto Oil Discharge – Oil is automatically discharged during the recovery process. If oil is present, it will drain into a graduated container clearly displaying the amount of oil that was removed.
- Auto Air Purge – Automatically purges non-condensable gas (NCG) from the storage tank during recovery.
- Auto Filter Alarm – The machine's LCD and alarm will warn that a filter change is required.
- Compact Footprint – The machine's compact design makes it easy to maneuver and requires minimal shop space.
- Full Tank Alarm – Notifies operator when tank is full.
- Low Refrigerant Alarm notifies operator when refrigerant is low.
- Automatic Oil Injection with electronic scale to protect the contents against contact and ambient humidity.
- Thermal Printer – For a complete, detailed report
- Fully Integrated Real Loop, Flushes Service Hoses Only by Refrigerant Circulation
- Flushing eliminates the risk that residues of different (non-insulating) oils may be injected into the A/C system, jeopardizing its safety and operation.
- High Voltage Protection
- Used on all Hybrid and R-134a Vehicles

Specifications

Type of Refrigerant: R-134a
Service Procedure: ..... Fully automatic or manual
Voltage: ..... 115 V / 60 Hz
Scale Resolution: ..... .02 lb. (10g)
Oil Scale Resolution: ..... .01 lb. (5g)
Working Temperature Range: ..... 59/120°F (11/49°C)
Filter System: ..... 2 filters for humidity
Vacuum Pump: ..... 6 CFM (100 litre/min) capacity, (.001 psi) 0.1 mbar vacuum level
Compressor: ..... Hermetically sealed, 12cc, high pressure
Recovery Speed: ..... .66 lb./min (300g/min) in liquid phase
Recovery Cylinder: ..... 30 lbs. (22 litres), refillable
Hoses: ..... 96" (250cm)
Couplers: ..... Manual
Thermal Printer: ..... Standard Equipment
Pressure Gauges: ..... Class 1
Bottle Temperature Sensor: ..... Integrated
Bottle Heater: ..... Standard Equipment
Dimensions: ..... 41.3" (105 cm) H x 23.6" (60 cm) W x 21.6" (55 cm) D
Weight: ..... 176 lbs. (80 kg)

NTE **69789-H** Recovery, Recycle And Recharge Machine
NTE **78-3938** Replacement Filters, 2 Pack

MAHLE

ArcticPRO® ACX1180 SERIES R-134A A/C REFRIGERANT HANDLING SYSTEMS



Superior Technology for Your Shop

ArcticPRO® equipment from MAHLE Service Solutions offers a full range of choices in A/C Service equipment. All of our ArcticPRO® models offer superior productivity, better system performance and better functionality than competitive models. And when you select an ArcticPRO® machine from MAHLE Service Solutions, you're getting the added value of an array of customer care solutions including nationwide service centers, and factory setup and training. That's why leading service center chains nationwide Go Pro!

ArcticPRO® Technology Gives Your Shop

- Superior system performance
- Quicker service times
- Less wasted refrigerant
- Increased customer satisfaction
- Better margins
- Customization for your exact needs
- Maximum uptime, less maintenance and fast service support
- SAE J2788, J2099 and UL1963 certified productivity
- Increased technician productivity with TechALERT® compatibility
- Models available for servicing hybrid vehicles
- Take our better Margins
- 1180C is for Heavy Duty/Industrial
- **2 Year warranty parts and labor**

Specifications

Certifications J2788, J2099, UL1963
Charge Performance ..... +/- 0.5 oz. at 70° to 75°F (+/- 15g at 21° to 24°C)
Charging Cylinder ..... 30 lb. (13.6 kg) DOT
Compressor ..... 3/8 HP – 0.279kW, pressure protected, balanced start-up, oiled, hermetically sealed
Condenser Fan ..... 218 CFM Industrial-duty
Dimensions (H x W x D) ..... 40 in. x 23 in. x 33 in. (101.6 cm x 58 cm x 84 cm)
Filter-Drier Capacity ..... 150 lb. (75kg), spin-on type
Hoses ..... 9 ft. (3m)
Languages ..... English, French, Spanish
Operating Ranges ..... 50° - 122°F (10°-50°C)
Power Source ..... 120 VAC - 60 HZ - 12 AMP
Recycle Performance ..... 95% at 70 to 75° F (21 to 24°C) within 30 minutes
Scale Accuracy ..... (+/- 0.03 oz.)(+/- 1 gram)
Vacuum Pump ..... 42 L/min (1.5 CFM) dual stage
Warranty ..... 2 Years – parts and labor
Weight ..... 220 lb. (99.8 kg)

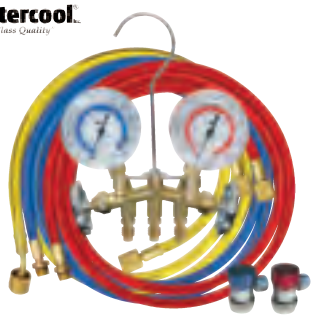
Features Comparison ACX Series	ACX1180	ACX1180H	ACX1180C
R-134a A/C Refrigerant Handling System	Digital	Digital	OEM Grade
Full-automatic operation recover cycle, system oil capture, vacuum, leak test, charge. Includes automatic air purge.	✔	✔	✔
Display: multilingual (English, Spanish, and French)	✔	✔	✔
Low-side combination filter includes full capacity alert	✔	✔	✔
2-year standard warranty	✔	✔	✔
On-board diagnostics to check solenoids, transducers, compressor, vacuum pump, and calibration functions	✔	✔	✔
Internal date/time clock	✔	✔	✔
SAE J2788 Certified for high voltage compressor service		✔	✔
Sample Oil Injection Kit		✔	✔
Two distinct vacuum operation selections			✔
Integral printer	0	0	✔
High pressure leak detection function			✔
Liquid refrigerant flush function			✔
Technician/service manager password protection	0	0	✔
Micron vacuum level sensors and ambient air humidity sensor			✔
(3) Temperature probes with 20' cables			✔
Refrigerant Identifier	0	0	0
Software Updates	0	0	0
AC Database – Pass Car/Light Truck	0	0	0

Item No.	Description
RTI **4608038500**	ACX1180 A/C Refrigerant Handling System
RTI **4608038900**	ACX1180H A/C Refrigerant Handling System
Optional Equipment – ACX1180 Series	
RTI **3608218100**	Printer – Factory Installed (Standard w/ACX1180)
RTI **3608218200**	Printer Kit – Plug and Play Installation
RTI **360302600**	A/C Database – Pass Car / Light Truck, MY2013 and Earlier
RTI **3608293400**	Heater Belt – Factory Installed
RTI **3608217900**	Integrated Refrigerant Identifier – Factory Installed
RTI **3608218000**	Refrigerant Identifier Kit – Plug and Play Installation
RTI **4958000000**	TechALERT® w/ Base and Universal Remote
RTI **3608293800**	A/C Database – Pass Car / Light truck, MY2013 and Earlier

**** Individual productivity items can be ordered separately. O = Optional***



NTE **78-3416**



NTE **78-3420**

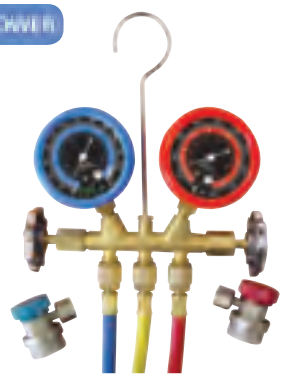
MASTERCOOL® A/C MANIFOLD GAUGE SETS

Mastercool® is the leading manufacturer of professional quality AC manifold gauge sets. Our Mastercool® sets are constructed of the finest materials and machined with precision to the highest standards. At Mastercool®, every manifold they build is built to last.

- Anti-flutter gauges for faster, more precise readings
- Highest grade Aluminum and Brass manifolds
- Nylon Barrier Hoses
- Premium Manual and Swivel Couplers (select models)
- Made in USA



NTE **78-1400**



NTE **78-1409**

NAPA® COLD POWER™ A/C MANIFOLD GAUGE SETS

NAPA® Cold Power™ AC Manifold Sets are constructed of the finest materials and are built for the professional:

- Anti-flutter gauges for faster, more precise readings
- Solid Aluminum and Forged Brass Bar for added durability
- Heavy Duty Rubber Gauge Protectors
- Sight glass feature (select models) - see flow of refrigerant
- R-134a, R-12, Dual Gas Options

A/C MANIFOLD GAUGE SET SELECTOR

R-134A

Item No.	*NTE* 378-3418	*NTE* 78-3416	*NTE* 78-3417	*NTE* 78-1400	*NTE* 78-3420	*NTE* 78-1409	*NTE* 78-1410
Grade	Best	Best	Better	Better	Better	Good	Good
Aluminum/Brass Manifold	Alum	Alum	Alum	Alum	Brass	Brass	Brass
2-way/4-way	4	2	2	2	2	2	2
Sight-glass	•	•	•	•	—	—	—
Additional Port(s)	•	•	•	•	—	—	—
72" Hoses	•	•	—	•	•	—	•
60" Hoses	—	—	•	—	—	•	—
Nylon Hoses	•	•	•	—	—	—	—
Auto Shut-Off Charging Hose (yellow)	•	•	•	•	•	•	•
Patented Spring-Loaded Manual Quick Couplers	•	—	—	—	—	—	—
Quick Connect Style Couplers	—	—	•	•	•	•	•
EZ Snap™ Manual Couplers	•	—	—	—	—	—	—
Anti-Flutter Gauges	•	•	•	•	•	•	•
Heavy Duty Gauge Protectors	—	—	—	•	—	•	•
Custom-Molded Storage Case	•	—	•	—	—	—	—

DUAL R-12/R-134A

Item No.	*NTE* 78-1550	*NTE* 78-1551
Grade	Best	Better
Aluminum/Brass	Alum	Brass
2-way/4-way	2	2
Sight-glass	•	—
Additional Port(s)	•	—
72" Hoses	•	•
60" Hoses	—	—
Nylon Hoses	—	—
Premium Quarter Turn Manual Couplers	—	—
Quick Connect Style Couplers	•	•
Anti Flutter Gauges	•	•
Heavy Duty Gauge Protectors	•	•

R-12

Item No.	*NTE* 78-1500	*NTE* 78-1501
Grade	Best	Better
Aluminum/Brass	Alum	Brass
2-way/4-way	2	2
Sight-glass	•	—
Additional Port(s)	•	—
72" Hoses	•	•
60" Hoses	—	—
Nylon Hoses	—	—
Quick Connect Style Couplers	—	—
Anti Flutter Gauges	•	•
Heavy Duty Gauge Protectors	•	•

Mastercool

AUTOMOTIVE DIGITAL MANIFOLD INCLUDES REFRIGERANT & OIL CAPACITIES FOR OVER 1000 VEHICLE MAKES & MODELS



Mastercool® introduces the most advanced and user friendly R-134a Digital Manifold on the market today! This manifold offers a large easy to read LCD that displays temperature, pressure readings for R-134a. The unit easily allows the technician to obtain refrigerant and oil capacity readings for 55 automobile manufacturers. This unit also performs systems leak check a the conclusion of the evacuation process. To ensure lasting performance and durability, the manifold case is constructed of ABS material and protected by a rugged rubber boot. The technician now has a fully functional manifold with the intelligence to quickly access and deliver the accurate information needed to do the job right!

Manufacturers include:

Acura, Alfa Romeo, Audi, BMW, Buick, Cadillac, Chevrolet, Chrysler, Citroen, Daewoo, Daihatsu, Dodge, Fiat, Ford, GMC, Honda, Hummer, Hyundai, Infiniti, Isuzu, Jaguar, Jeep, Kia, Lancia, Land Rover, Lexus, Lincoln, Mazda, Mercury, Mini, Mitsubishi, Mercedes Benz, Nissan, Oldsmobile, Opel-Vauxhall, Peugeot, Plymouth, Pontiac, Porsche, Renualt, Rover, Saab, Saturn, Scion, Seat, Smart, Subaru, Suzuki, Toyota, Volkswagen, Volvo.

Specifications

Refrigerant: R-134A
Pressure & Vacuum Display: ...Low Side - PSI, Bar, MPa, kg/cm2 & InHg
..... High Side - PSI, Bar, MPa, kg/cm2
Temperature Display: ..... -40° to 200°F (-40° to 93°C)
Response Time: ..... 250 mSec.
Connection: ..... 1/2" acme or 1/4" flare
Operating Temperature ..... 32° to 122° (0° to 45°C)
Power ..... 9V DC battery
Battery Life ..... 50-60 hours of continuous use
Low Battery Indicator ..... Special ICON on LCD

NTE **78-3419**

Mastercool



A/C SERVICE STARTER KIT

Kit includes everything needed for basic A/C system repairs, and comes with a durable blow mold storage case.

- R-134a Manifold Gauge Set with premium manual couplers and 60" 3-piece hose set
- 1.3 CFM air-operated vacuum pump
- R-134a can tap with hose
- 1" Dial thermometer
- 270-piece A/C system o-ring assortment with storage tray

NTE **899-2486**

Mastercool

R-134A ALUMINUM MANIFOLD GAUGE SET



3 piece 72" service hose set, includes premium patented spring-loaded Conversion Couplers with swiveling connections for added flexibility and yellow hose auto shut-off. Couplers can be removed from service ports regardless of knob position without losing refrigerant. Sight glass for visual checks for refrigerant, easy-grip front-facing knobs and piston type free-floating valves for reduced o-ring wear. Extra access port for vacuum line. Nylon Barrier hoses meet EPA, SAE, and UL standards. Gauges include R-134a scales in PSI and °F measurements.

NTE **78-3415**

R-134A/R12 A/C MANIFOLD GAUGE SET



Deluxe dual aluminum A/C manifold gauge set. Includes 2½" High / Low gauges, High / Low couplers, gauge guards, blue / red / yellow hoses, ½" acme x ¼" mfl adapter and hanging hook. Dual stage saddle adapter included. *NTE* **78-3199** R-134/R-12 Adapter. Extra long hoses (96") built to service farm, agriculture, and industrial vehicles.

- Premium manual couplers
- Anti-flutter gauges

NTE **78-3876**

Mastercool

AUTOMOTIVE R-134A MANIFOLD GAUGE SET



Professional extruded aluminum R-134a Manifold Gauge Set comes complete with 3 piece 60" Nylon Barrier service hose set and R-134a couplers. Silicone dampened gauges to smooth out needle movement and field-recalibrateable gauges. Convenient sight glass to monitor flow and condition of refrigerant passing through manifold. Set includes free 3-in-1 side mount can tap valve (**85530**). Also includes handy refrigerant capacities chart. Comes in custom molded carrying case.

NTE **78-3417**

COLD POWER

DUAL R-12/R-134A ALUMINUM MANIFOLD GAUGE SET



Solid aluminum block with 3 piece 72" service hose set, color coded quick couplers. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 600 working/3,000 burst PSI. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors and hanging hook.

NTE **78-1550**

COLD POWER

DUAL R-12/R-134A BRASS MANIFOLD GAUGE SET

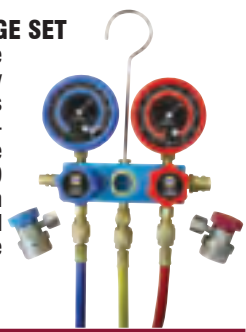


Solid forged brass bar for added durability. 3 piece 72" standard service hose set rated 500 working/2,500 burst PSI. Gauges feature Anti-Flutter design to smooth out needle movement, field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1551**

COLD POWER

R-134A ALUMINUM MANIFOLD GAUGE SET



Solid aluminum block with 72" service hoses, color coded quick couplers. Yellow (charging) hose has auto shut-off. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 600 working/3,000 burst PSI. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors and hanging hook.

NTE **78-1400**

COLD POWER

R-12 ALUMINUM MANIFOLD GAUGE SET

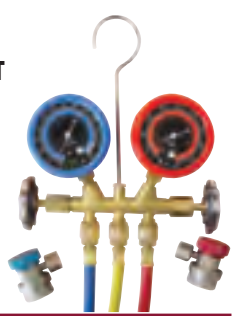


Solid aluminum block with 3 piece 72" standard service hose set. Features sight glass to confirm movement and condition of refrigerant passing through the manifold. Hoses rated at 500 working/2,500 burst PSI. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Comes with heavy-duty gauge protectors, hanging hook, and handy pressure/temp quick reference chart.

NTE **78-1500**

COLD POWER

R-134A BRASS MANIFOLD GAUGE SET



Solid forged brass bar for added durability. 3 piece 72" service hose set with color-coded quick couplers rated at 600 working/3,000 burst PSI. Yellow (charging) hose has auto shut-off. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1410**

Mastercool

R-134A 2-WAY BRASS MANIFOLD GAUGE SET

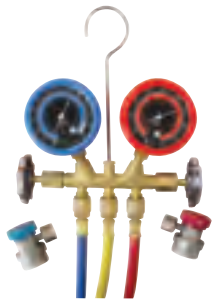


R-134a 2-Way Brass Manifold Gauge Set features three 72" hoses. Hose connections for blue and red are 14mm-M. Yellow hose is 1/2" ACME-F with auto shut-off valves. Gauges are 2 1/2" in PSI/°F.

NTE **78-3420**

COLD POWER

R-134A BRASS MANIFOLD GAUGE SET

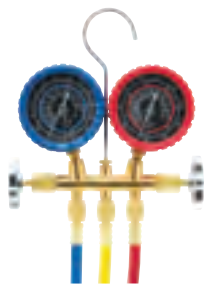


Solid forged brass bar for added durability. 3 piece 60" service hose set with color-coded quick couplers, Yellow hose auto shut-off and hanging hook included. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable.

NTE **78-1409**

COLD POWER

R-12 BRASS MANIFOLD GAUGE SET



Solid forged brass bar for added durability. 72" standard service hoses rated 500 working/2,500 burst PSI. Gauges feature Anti-Flutter design to smooth out needle movement and are field calibratable. Heavy-duty gauge protectors for added durability, hanging hook included.

NTE **78-1501**

COLD POWER



NTE **78-1456**



NTE **78-1457**

R-134A REPLACEMENT GAUGES

Features anti-flutter design and field calibratable. PSI/Degrees Fahrenheit.

NTE **78-1456** Universal Low Side Replacement
NTE **78-1457** Universal High Side Replacement

Mastercool



NTE **78-3438**



NTE **78-3439**

REPLACEMENT GAUGES

2 1/2" Anti-Flutter design to smooth out needle movement and are easily field calibratable. PSI pressure readings, R-12 and R-134a temperature readings in PSI/°F.

NTE **78-3438** Low Side Replacement for Mastercool® Manifolds
NTE **78-3439** High Side Replacement for Mastercool® Manifolds

ROBINAIR



SEALANT REMOVER ADAPTER HOSE KIT
Kit for connecting R-134a or R-12.
ROB **17641**

Mastercool COLD POWER





2-1/2 IN. REPLACEMENT GAUGE PROTECTORS & LENS

NTE **78-1460** *NTE* **78-3437**

Item No.	Description
NTE **78-1460**	Rubber boot fits any 2½" manifold gauge. Pair of 2; red, blue
NTE **78-3437**	Replacement lens for Mastercool® push-in type gauges

Mastercool uses only Grade 5 Hoses with a selection of Standard and Nylon Barrier for high pressure applications. Knurled brass nuts make finger tightening easy. Crimped with 8 segment dies for secure fit and maximum durability. Hoses are available in sets and in a variety of lengths to meet all EPA, SAE, and UL requirements for containment of refrigerant. Auto Shut-Off Valves automatically retain refrigerant in the service hose when they are removed from the system, meet EPA, SAE, and UL standards for containment of refrigerant. This also helps to prevent "finger burn" for added safety. COLD POWER charging hoses are constructed to stand up to the most demanding shop environments with quality and features that are second to none.

COLD POWER
Mastercool



NTE **78-3501**

R-134A INDIVIDUAL CHARGING HOSES

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Auto Shut-Off
NTE **78-1417**	CP	R-134a	36"	Blue	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-1418**	CP	R-134a	36"	Yellow	½" ACME-F x ½" ACME-F	3,000/600	Yes
NTE **78-1419**	CP	R-134a	36"	Red	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-3403**	M	R-134a	36"	Blue	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-3404**	M	R-134a	36"	Yellow	½" ACME-F 14 mm-M	3,000/600	Yes
NTE **78-3405**	M	R-134a	36"	Red	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-1420**	CP	R-134a	72"	Blue	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-1421**	CP	R-134a	72"	Yellow	½" ACME-F x ½" ACME-F	3,000/600	Yes
NTE **78-1422**	CP	R-134a	72"	Red	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-3421**	M	R-134a	72"	Blue	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-3422**	M	R-134a	72"	Yellow	½" ACME-F 14 mm-M	3,000/600	Yes
NTE **78-3423**	M	R-134a	72"	Red	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-1423**	CP	R-134a	96"	Blue	½" ACME-F 14 mm-M	3,000/600	—
NTE **78-1424**	CP	R-134a	96"	Yellow	½" ACME-F x ½" ACME-F	3,000/600	Yes
NTE **78-1425**	CP	R-134a	96"	Red	½" ACME-F 14 mm-M	3,000/600	—



NTE **78-1421**



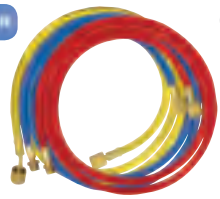
NTE **78-1422**

Brands:
Mastercool (M)
Napa Cold Power (CP)

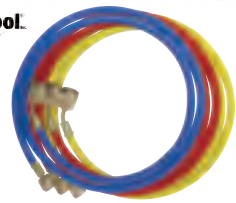
R-12 INDIVIDUAL CHARGING HOSES

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Special Features	Auto Shut-Off
NTE **78-3540**	M	R-12	18"	Red	¼" FFL	3,000/750	45° Bend	—
NTE **78-3500**	M	R-12	36"	Blue	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3501**	M	R-12	36"	Yellow	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3502**	M	R-12	36"	Red	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3503**	M	R-12	36"	Blue	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3504**	M	R-12	36"	Yellow	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3505**	M	R-12	36"	Red	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3510**	M	R-12	60"	Blue	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3511**	M	R-12	60"	Yellow	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3512**	M	R-12	60"	Red	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3513**	M	R-12	60"	Blue	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3514**	M	R-12	60"	Yellow	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3515**	M	R-12	60"	Red	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3520**	M	R-12	72"	Blue	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3521**	M	R-12	72"	Yellow	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3522**	M	R-12	72"	Red	¼" FFL	3,000/750	45° Bend, VCD	—
NTE **78-3523**	M	R-12	72"	Blue	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3524**	M	R-12	72"	Yellow	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3525**	M	R-12	72"	Red	¼" FFL	3,000/750	45° Bend	Yes
NTE **78-3530**	M	R-12	96"	Blue	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3531**	M	R-12	96"	Yellow	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes
NTE **78-3532**	M	R-12	96"	Red	¼" FFL	4,000/800	45° Bend, Nylon Barrier	Yes

VCD= Valve Core Depressor.



NTE **78-1430**



NTE **78-3526**

3 PC. CHARGING HOSE SETS

Item No.	Brand	Type	Length	Color	Fittings	Burst/Working Pressure	Auto Shut-Off
NTE **78-1430**	CP	R-134a	72"	Blue/Yellow/Red	1/2" ACME-F 14 mm-M x 1.5-M	3,000/600	Yes
NTE **78-1560**	CP	R-12	72"	Blue/Yellow/Red	1/4" FFL	3,000/600	Yes
NTE **78-3526**	M	R-12	72"	Blue/Yellow/Red	1/4" FFL	3,000/750	Yes
NTE **78-3533**	M	R-12	96"	Blue/Yellow/Red	1/4" FFL	3,000/750	Yes

Brands:
Mastercool (M)
Napa Cold Power (CP)

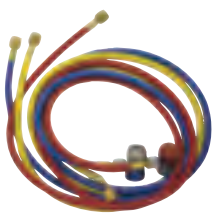
A/C R-12/R-134A CONVERSION HOSES

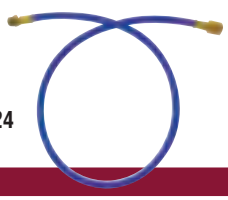
Hoses convert from R-12 to R-134a and feature premium nylon barrier inner lining. Max. Pressure: 3,000 PSI. Working Pressure: 600 PSI. Fittings: 1/4" MFL x 14mm-M.

3 PC. R-12 TO R-134A A/C HOSE & COUPLER CONVERSION KIT

Includes red, yellow and blue nylon barrier hoses with R-134a manual quick couplers. Max. Pressure: 3,000 PSI. Working Pressure: 600 PSI. Hose Length is 60".

NTE **78-3451**





NTE **78-3424**

R-12 CONVERSION HOSES

Item No.	Description
NTE **78-3424**	72" Blue Conversion Hose 1/4" FFL - 14MM-F
NTE **78-3425**	72" Yellow Conversion Hose 1/4" FFL - 14MM-F
NTE **78-3426**	72" Red Conversion Hose 1/4" FFL - 14MM-F



A/C R-134A LOW-/HIGH-SIDE SERVICE PORT ADAPTER KIT

Includes four adapters for converting R-12 to R-134a. Covers all cars and all years. Retrofit label included.

BK **765-3144**

Contents

Qty.	Description
1	High-Side 3/8" Port
1	High-Side 7/16" Port
1	High-Side 2 Pc. GM Port
1	Low-Side 7/16" Port



5 PC. R-134A RETROFIT TOOL KIT

Used in R-12 to R-134a system conversions. Comes in custom molded storage case.

NTE **78-1109**



GM HIGH-FLOW ADAPTER

Contains valve core and service port cap.

NTE **78-3115**

Patented manual couplers adjust easily to R-134a service ports with varying dimensions

- Patented spring loaded depressor will not damage service valves
- Meets SAE, UL, and EPA requirements for containment of refrigerant



R-134A PREMIUM MANUAL CONVERSION COUPLER

Attaches your existing hoses and snaps easily to R-134A A/C service ports.

Item No.	Description
NTE **78-3431**	High-Side, Red, 90° - 1/4" MFL x 16mm Conversion Coupler
NTE **78-3432**	Low-Side, Blue, 90° - 1/4" MFL x 13mm Conversion Coupler
NTE **78-3435**	Replacement O-Ring for High Side Service Couplers. 1 Pack of 10.
NTE **78-3436**	Replacement O-Ring for Low Side Service Couplers. 1 Pack of 10.



R-134A MANUAL CONVERSION COUPLERS

Item No.	Description
NTE **78-3433**	High Side, Red - 14mm-F x 16mm Conversion Coupler
NTE **78-3434**	Low Side, Blue - 14mm-F x 13mm Conversion Coupler




R-134A A/C SERVICE COUPLERS

Snap-lock couplers with knurled grip rings and 6-ball collars.

NTE **78-1533** *NTE* **78-1434**

Item No.	Description
NTE **78-1433**	High-Side, 14mm x 16mm
NTE **78-1434**	Low-Side, 14mm x 13mm
NTE **78-1533**	High-Side, 1/4" SAE hose connection
NTE **78-1534**	Low-Side, 1/4" SAE hose connection



A/C SERVICE ADAPTER

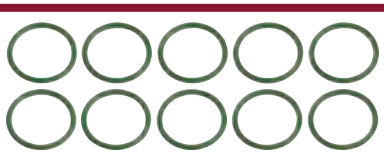
High side extra long coupler for BMW and Volvo.

NTE **78-3872**

SERVICE COUPLER REPAIR PARTS



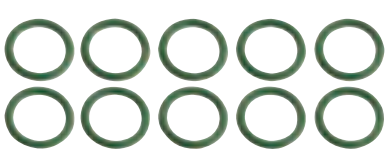
Item No.	Description
NTE **78-3435**	Replacement O-Ring for High Side Service Couplers *NTE* **78-3431** & *NTE* **78-3433**. 1 Pack of (10).
NTE **78-3436**	Replacement O-Ring for Low Side Service Couplers *NTE* **78-3432** & *NTE* **78-3434**. 1 Pack of (10).



NAPA® COLD POWER™ REPLACEMENT O-RINGS & GASKETS

Replacement O-rings for Cold Power A/C High Side Quick Couplers. Fits *NTE* **78-1433** & *NTE* **78-1533**. Pack of 10.

NTE **78-1470**



REPLACEMENT O-RING FOR NAPA® COLD POWER™ A/C LOW SIDE QUICK COUPLERS

Fits *NTE* **78-1434** & *NTE* **78-1534** Quick Couplers; *NTE* **78-1013** Hose Can Tap Coupler. Pack of 10.

NTE **78-1471**



NAPA® COLD POWER™ R-12/R-134A SIDE CAN TAP REPLACEMENT GASKETS

For Side Can Tap *NTE* **78-1009**.

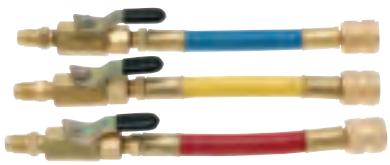
NTE **78-1472**



R-134A HOSE CAN TAP REPLACEMENT GASKET

For NAPA® Cold Power™ R-134a Hose Can Tap Kit (*NTE* **78-1013**).

NTE **78-1473**



3 PC. MANUAL SHUT-OFF VALVE SET

Ball valve design with flexible hose controls refrigerant with a quarter turn of the valve handle. One hand operation. Screws onto charging hose end. Blue, yellow, and red. 1/4" MFL x 1/4" FFL fittings.

NTE **78-1440**



A/C MANUAL SHUT-OFF HOSE BALL-VALVE

Hose Color: Yellow. Fittings: 1/2" ACME-M x 1/2" ACME-F.

NTE **78-3601**



5 PC. SAFETY A/C ADAPTER SET

Includes: 1/4" x 1/4" and 1/4" x 3/16" shut-offs; 1/4" x 1/8" Ford flex adapter; GM flex adapter; GM service adapter (1991-newer); valve cores, depressors, and gaskets.

NTE **78-1600**



7 PC. SERVICE ADAPTER SET

Contains: Ford quick disconnect; GM large bore quick disconnect; GM service adapter (1991 & newer); 1/4" x 1/8" 90° shut-off (Ford high side); 1/4" x 1/4" shut-off; 1/4" x 3/16" shut-off; 1/4" x 3/16" 90° shut-off.

NTE **78-1601**




90° ADAPTERS

NTE **78-3614** *NTE* **78-3615**

Item No.	Description
NTE **78-3614**	90° Elbow Adapter 1/4" MFL x 1/4" FFL
NTE **78-3615**	90° Elbow Adapter 1/4" MFL x 3/16" FFL (High Side) GM 1976-Later

Mastercool

SERVICE HOSE REPLACEMENT PARTS



	¼" SAE Item Numbers		½" ACME Item Numbers	
	Gasket	Depressor	Gasket	Depressor
Charging Hoses	*NTE* **78-3550***	*NTE* **78-3551***	*NTE* **78-3441***	—
Shut-Off Valve	*NTE* **78-3606***	—	*NTE* **78-3613***	—

	14mm-m O-ring	UNF ½ -20"	
		Gasket	Depressor
Charging Hoses	*NTE* **78-3442***	*NTE* **78-3550***	*NTE* **78-3551***
Shut-Off Valve	—	*NTE* **78-3606***	—

**** Pack of 10.***

R-12 STANDARD FITTINGS:
¼" Male Flare (MFL, or FL-F)
¼" Female Flare (FFL or FL-F)

FITTING TYPES:
MFL or FL-M = Male Flare
FL or FL-F = Female Flare

R-134A STANDARD FITTINGS:
½" ACME Male (M) or Female (F)

COLD POWER Mastercool



NTE **78-1200** *NTE* **78-3199** *NTE* **78-1201** *NTE* **78-1202** *NTE* **78-3617**



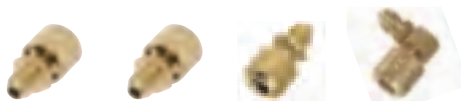
NTE **78-3618** *NTE* **78-3620** *NTE* **78-3603** *NTE* **78-3607** *NTE* **78-3619**

STRAIGHT ADAPTERS

Item No.	Description
NTE **78-1200**	R-134a Adapter - ¼" FFL x ½" ACME-M
NTE **78-3199**	½" ACME female x ¼" male flare brass adapter
NTE **78-1201**	14mm-M x ¼" MFL
NTE **78-1202**	¼" MFL x ¼" FFL
NTE **78-3617**	Swivel Adapter ¼" MFL x 3/16" FFL (High Side) GM 1976-Later/Ford 1981-Later
NTE **78-3618**	Tank Adapter (R-134a) ½" ACME-F x 13mm R-134A (Low-Side)
NTE **78-3620**	Access Service Adapter - ¼" MFL x ⅛" MP
NTE **78-3603**	Service Adapter - GM 1991-Later
NTE **78-3604**	Replacement Gasket for *NTE* **78-3603**
NTE **78-3607**	¼" MFL x ⅛" FFL (High Side) Ford Flex Adapter 1980-77
NTE **78-3608**	Replacement Gasket for Ford Flex Adapter *NTE* **78-3607**
NTE **78-3619**	Vacuum Pump Tee Adapter ¼" FFL x ¼" MFL x ½" ACME-M outlets

COLD POWER Mastercool

SHUT-OFF VALVES



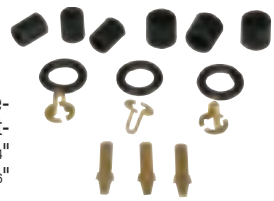
NTE **78-1610** *NTE* **78-1611** *NTE* **78-3600** *NTE* **78-3605**

Item No.	Description
NTE **78-1610**	Shut-Off Valve ¼" MFL x ¼" FFL
NTE **78-1611**	Shut-Off Valve ¼" MFL x 3/16" FFL
NTE **78-3612**	Replacement Gasket for *NTE* **78-1611**
NTE **78-3600**	R-134a Shut-Off Valve ½" ACME-M x ½" ACME-F
NTE **78-3605**	90° Shut-Off Valve ¼" MFL x 1/4" FFL

CHARGING HOSE REPAIR PARTS

Mastercool

CHARGING & DEPRESSOR ASSORTMENT



Replacement Gaskets, O-rings, and Depressors for Charging Hoses and Adapters. Consists of: (3) ¼" Gaskets, (3) ¼" Depressors, (3) 3/16" Depressors, (3) 3/16" Gaskets, (3) ⅛" O-rings.

NTE **78-3440**

Mastercool

DELUXE A/C SERVICE REPAIR KIT



Contains Replacement Gaskets, Depressors, O-Rings, and Nylon Guides for Charging Hoses and Adapters. 90 pc. assortment comes in 8-bin clear plastic storage tray.

NTE **78-3602**

COLD POWER

BRASS DEPRESSOR



Screw-in type charging hoses. SAE ¼". 1 Pack of 10.

NTE **78-1444**

Mastercool

A/C REFRIGERANT TOP CAN TAPS



Screw-on design for refrigerant top can taps. Gasket assures leak-proof operation. Also feature built-in safety check and exclusive full-grip valve knob. Size: ½" ACME-M.

Item No.	Description
NTE **78-3012**	R-134a Top Can Tap
NTE **78-3013**	Gasket, R-134 Top Can Tap Replacement (*NTE* **78-3012**)

NTE **78-3012**

Mastercool

SIDE CAN TAP



Refrigerant Can Tap for R-134a, R-12 & Oil charge. Brass fitting with ¼" MFL & ½" ACME-M.

Item No.	Description
NTE **78-1009**	For use with ¼" or ½" hose with quick coupler
NTE **78-1472**	Replacement Gasket (Pack of 10)

COLD POWER

A/C R-134A REFRIGERANT HOSE CAN TAP KIT



For use when adding R-134a refrigerant and oil charge to R-134a systems under pressure. Includes ½" ACME top can tap valve, 10.25" charging hose, and low-side R-134a quick coupler. Hose assembly is 12.75" overall length.

Item No.	Description
NTE **78-1013**	Can Tap Kit
NTE **78-1473**	Replacement Gasket (Pack/10)

Mastercool

ELECTRONIC TANK HEATER BLANKET

Speeds up charge time by maintaining a constant temperature, which creates a positive pressure between refrigerant tank and A/C system. Assures total discharge of refrigerant from 30 and 50 lb. tanks. Heats tanks to 125° F resulting in maximum pressure of 185 PSI for R-134a and 170 PSI for R-12. 110 Volts, 300 Watts.

NTE **78-3803**

Note: Tank not included.



Mastercool

1.3 CFM AIR-OPERATED LIGHT-DUTY VACUUM PUMP

- Requires 4.5 cfm/90 PSI shop air
- No Moving Parts, No Oil Required
- Pump Will Pull Up To 29" of Vacuum (Hg.) At Sea Level
- Includes 1/4" Male Flare (MFL R-12) Connection and 1/2" ACME (R-134a) Connection

NTE **78-3905**



COLD POWER



A/C SYSTEM FLUSH KIT

Includes flush gun, hose, canister and canister adapter. Designed to work with any lightweight flushing agent, which can be mixed with pressurized air. Excellent for quickly and effectively removing refrigerant oil debris during compressor replacement or retro-fitting.

NOTE: When flushing a contaminated system, follow the procedures provided by the system or component manufacturer and use recommended flushing material and equipment.

Use with *TEM* **409889** NAPA Temperature Solvent.

Item No.	Description
NTE **78-1020**	Flush Kit
NTE **78-1021**	Replacement Hose Assembly
NTE **78-1022**	Replacement Gun

COLD POWER Mastercool

ROTARY VANE DEEP VACUUM PUMPS

The more air a pump moves, the faster it can reach an acceptable vacuum. A smaller pump takes more time to evacuate a system than one that is the correct size for the job. Two-stage design cleans the system more thoroughly than a single-stage pump the second stage starts pumping at a lower pressure so you can pull a deeper ultimate vacuum.



NTE **78-3904**

Pump Features

- Manifold valve isolates pump from the system when testing for leaks. Includes 3 inlet ports: 1/4", 3/8" SAE and 1/2" ACME on 5 and 7.5 cfm models.
- Internal check valve stops oil blowout in case of accidental power loss
- Gas ballast valve helps prevent oil contamination caused by high moisture
- Center oil fill port is accessible from front as well as sides
- Durable lightweight die cast aluminum housing
- Derlin vanes provide quieter, longer lasting performance
- Two-stage design (select models) allows lower pumping pressure resulting in deeper ultimate vacuum
- Oil drain valve positioned at bottom of oil reservoir assures max. drainage

SELECTING THE RIGHT SIZE PUMP

Item No.	Free Air Displacement	Stages	Micron Rating	Micron Speed	Pump Intake Fitting	Capacity	Oil Size	Motor Recommended Uses
NTE **78-1900**	1.8 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	8 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-1901**	3 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	8 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-1902**	5 cfm	1	80	1,725 RPM	1/4" MFL & 1/2" ACME	12 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3900**	1.5 cfm	2	25	3,450 RPM	1/4" MFL & 1/2" ACME	10 oz.	1/6 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-3901**	3 cfm	1	75	1,720 RPM	1/4" MFL & 1/2" ACME	24 oz.	1/4 HP	Pass. Cars, Lt. Trucks, Domestic Refrigeration
NTE **78-3902**	5 cfm	2	25	1,725 RPM	1/4", 3/8" MFL & 1/2" ACME	18 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3903**	6 cfm	2	15	3,440 RPM	1/4", 3/8" MFL & 1/2" ACME	8 oz.	1/3 HP	RVs, Box Trucks, Residential A/C
NTE **78-3904**	7.5 cfm	2	25	1,725 RPM	1/4", 3/8" MFL & 1/2" ACME	24 oz.	1/2 HP	Tractors/Trailers, Buses, Rooftop A/C Systems

**** VOLTAGE: All units 110V/60Hz.***

OTC



NTE **78-9901**



NTE **78-9906**

VACUUM PUMPS

Engineered specifically for air conditioning and refrigerant service. Single and two-stage, offset rotary vane design provides powerful, quiet high vacuum capability and assures moisture removal. All vacuum pumps are compatible with R-12 and R-134a.

Item No.	CFM	HP	Stage	Micron Rating
NTE **78-9901**	3	1/3	Two	35
NTE **78-9902**	1.5	1/5	Single	115
NTE **78-9903**	1.5	1/5	Two	115
NTE **78-9904**	3	1/4	Single	75
NTE **78-9905**	4	1/3	Two	20
NTE **78-9906**	4	1/3	Two	15
NTE **78-9907**	5	1/2	Single	75
NTE **78-9908**	5	1/2	Two	35
NTE **78-9909**	6	1/3	Two	15

Mastercool

VACUUM PUMP OIL



Oil should be changed often to ensure proper pump performance and longest pump life. Vacuum pump oil is hygroscopic (able to absorb moisture from air) so use promptly and close container tightly after use.

Item No.	Description
NTE **78-3910**	10 oz. Bottle, # 48 Viscosity
NTE **78-3932**	32 oz. Bottle

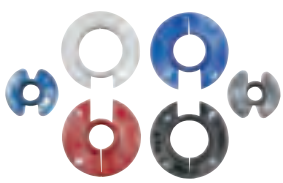
A/C SERVICE TOOLS



6 PC. AIR CONDITIONING/FUEL LINE DISCONNECT TOOL SET

Disconnects spring lock couplings on Chrysler and Ford air conditioning lines. Also works on Chrysler, GM and Ford fuel line quick-connect couplings. The 5/16-inch size fits Ford radiator and transmission line push lock connectors. Set includes six sizes: 5/16", 3/8", 1/2", 5/8", 3/4" and 7/8".

SER **77-4031**



6 PC. LOW-PROFILE QUICK-DISCONNECT SET

Contains six popular size air conditioning and fuel line quick-disconnect tools for hard to reach areas. Flexible plastic design allows for easy application over tubing to access disconnects. Sizes include: **5/16", 3/8", 1/2", 5/8", 3/4"** and **7/8"**.

SER **3530**



4 PC. SPRING LOCK COUPLING TOOL SET

Four sizes 3/8" (#6), 1/2" (#8), 5/8" (#10), and 3/4" (#12) used on Fords and Chryslers. Durable spring loaded design for long life and reliable fit.

Item No.	Description
NTE **78-1106**	4 Pc. Spring Lock Coupling Tool Set
NTE **78-3106**	3/8" Spring Lock Coupling Tool
NTE **78-3107**	1/2" Spring Lock Coupling Tool
NTE **78-3108**	5/8" Spring Lock Coupling Tool
NTE **78-3109**	3/4" Spring Lock Coupling Tool

OTC

4 PC. A/C LINE DISCONNECT SET



The only way to separate spring-lock air conditioning refrigerant pressure lines on 1994-Up Chrysler/ Jeep and 1981-Up Ford vehicles. Sizes: 3/8", 1/2", 5/8", and 3/4".

BK **700-2457**

FORD AIR CONDITIONING & FUEL LINE SPRING LOCK COUPLING TOOL



Most Ford vehicles are equipped with spring lock couplings on fuel and air conditioning lines. Necessary tool releases locking mechanism on all four sizes: A (3/4"), B (5/8"), C (1/2") and D (3/8").

CAUTION: For intended use only. Do not use with engine running. Release system pressure before disconnecting coupling.

SER **3290**

COLD POWER

CONDENSER FIN COMB



Cleans and straightens condenser and evaporator fins. Six-sided head for 8, 9, 10, 12, 14, and 15 fins per inch application.

NTE **78-1110**

Mastercool

FLUSH-CAPTURING UNIT



Special self adjusting tool to easily recover flush material for reuse or disposal. A unique rubber bladder coupler fits over the discharge lines of the component being flushed. As flush material leaves the A/C system, it is automatically collected for reuse or disposal.

NTE **78-3122**

Mastercool

A/C R-134A VALVE CORE TOOL



Removes and installs air conditioning system valve cores, without evacuating system.

NTE **78-3101**

Mastercool

UNIVERSAL R-12/R-134A VALVE CORE SERVICE KIT



Access and replace valve cores without losing system charge. Patented kit covers all R-12 and R-134a system valve cores for Standard, JRA, and Eaton.

NTE **78-3219**

Mastercool

UNIVERSAL VALVE CORE REMOVER



Double-ended for easy replacement of standard and GM R-12 large bore valve cores.

NTE **78-3210**

COLD POWER

LARGE BORE VALVE CORE REMOVER



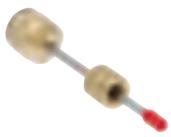
NTE **78-1097**

COLD POWER

STANDARD VALVE CORE REMOVER/INSTALLER



NTE **78-1099**



NTE **78-1100**

NTE **78-1099** For 1/4" Flare Fittings
NTE **78-1100** Shaft Only

COLD POWER

LARGE BORE VALVE CORE REMOVER/INSTALLER



NTE **78-1101**



NTE **78-1102**

NTE **78-1101** For 1/4" Flare Fittings
NTE **78-1102** Shaft Only

Mastercool

R-12 SERVICE PORT THREAD REPAIR TOOL



Re-cuts stripped R-12 service port threads. All-in-one design to 1/8", 3/16", and 1/4" service ports. An excellent retrofit tool - it will ensure that the R-134a retrofit adapters will fit securely.

NTE **78-3211**

Mastercool

R-134A OCTAGON SERVICE PORT SOCKETS

NTE **78-3006** High-Side
NTE **78-3005** Low-Side



NTE **78-3006**



NTE **78-3005**

id QUEST



A/C DIGITAL TEST THERMOMETER

Helps diagnose air conditioning performance. Checks outlet duct temperature and produces digital read out. Holder and clip included. Temperature Range: 58-302° F./-50-150° C.

BK **765-3147**

ROBINAIR

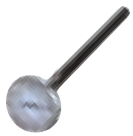
DIGITAL THERMOMETER



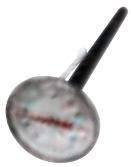
Thermometer offers full-feature capabilities in a case that is small enough to fit in your shirt pocket. Accurate readings from -40° F to 390° F.

NTE **78-9105**

COLD POWER Mastercool



NTE **78-1000**



NTE **78-1001**



BK **765-3148**



NTE **78-3000**

THERMOMETERS

Includes pocket holder and clip.

Item No.	Dial Size	Temperature Scale / Features
Pocket Analog Design		
NTE **78-1000**	1"	0°-220° F
NTE **78-1001**	1 3/4"	0°-220° F
BK **765-3148**	1"	0°-200° F
Pocket Digital Design		
NTE **78-3000**	1"	-58°-302 F / Battery operated (1.5V, life of 5,000 hrs.), On/Off and auto shut-off after 10 minutes

Mastercool

INFRARED POCKET THERMOMETER



Mastercool's pocket infrared thermometer offers accurate temperature measurement in a compact, easy-to-use size. Features back-lit LCD display, adjustable emissivity and minimum/maximum capture mode.

Specifications

Temperature Range: ..... -67° to 428° F
Operating Range: ..... 14° to 122° F
Distance to Spot: 1:1
LCD Display: ..... Back-lit
Target Indicator: ..... Single Laser Spot
Power: ..... 40 hrs. Battery life/power off after 15 sec.
Response Time: ..... 1 second

NTE **78-3870**

Lisle Kwik-Tools

INFRARED THERMOMETER WITH LASER



Thermometer features an enhanced back-lit LCD display and an expanded temperature range of -36° F to 689° F. Compact design is simple to use and easy to store.

Specifications

Temperature Range: ..... -36°-689° F
Operating Range: ..... 32° to 122° F
Distance to Spot: 12:1
Target Indicator: ..... Single Laser Spot
Power: ..... 14 hrs. Battery life/power off after 15 sec.
Response Time: ..... 1 second

SER **78-3880**

Raytek

MINITEMP™ NON-CONTACT THERMOMETER

Our best-selling thermometer — affordable and accurate.



Specifications

Temperature Range: .....0-750° F. (-18-400° C.)
Distance to Spot Ratio:..... 8:1
Target Indicator: .....Laser
Power:.....9 V. Alkaline
Accuracy: ..... ± 2%
Response Time:..... 500 ms

BK **700-1871** Non-Contact Thermometer
BK **700-1872** Carrying Pouch

Raytek

MINITEMP™ MT-6 INFRARED NON-CONTACT THERMOMETER

Features wide test range and holster.



Specifications

Temperature Range: .....-20°-932° F. (-30°-500° C.)
Distance-to-Spot Ratio: 10:1
Target Indicator: .....Laser
Power:.....9V. Alkaline
Accuracy: ..... ± 1.5%
Response Time:.....500 ms

BK **700-1842**

Mastercool

INFRARED THERMOMETER W/ TARGET LASER

Compact design provides laser-targeting accuracy. Features enhanced, back-lit LCD display and expanded temperature range of -58-932° F (50-500° C), with 12:1 distance to spot ratio.



Specifications

Temperature Range: .....-58° to 932° F
Distance to Spot: 12:1
LCD Display:.....Backlit
Target Indicator: .....Single Laser Spot
Power:.....180 hrs. Battery life/power off after 15 sec.
Power:.....Two AAA batteries (included)
Response Time:.....0.5 seconds

NTE **78-3871**

Raytek

AUTOPRO™ NON-CONTACT THERMOMETER

Features SmartSight™ dual laser sighting for optimal test distance, base magnet and LED flashlight.



Specifications

Temperature Range: .....- 25°-999° F. (-32°-535° C.)
Distance-to-Spot Ratio: 16:1
Target Indicator: .....Laser, 2 Dot
Accuracy: ..... ± 1%
Power:.....9 V. Alkaline
Response Time:..... 500 ms

BK **700-1873**

ROBINAIR

REFRIGERANT IDENTIFIER

Know whether or not you have an acceptable R-134a refrigerant before servicing the vehicle. Notifies you when the system contains excessive air. Pass and Fail lights clearly show if refrigerant is pure enough to be recovered. Pass/Fail 95% pure R-134a. SAE J1771 and UL/C approved.



NTE **78-9805**

Mastercool

A/C REFRIGERANT IDENTIFIER FILTER

The Refrigerant Identifier helps confirm the presence and quality of R-134a refrigerant in vehicle air conditioning systems to protect against refrigerant contamination. Delivers quick and precise refrigerant analysis in a rugged, compact and portable package. Automatically provides step-by-step indication of the gas sampling process.



NTE **78-3874**

Mastercool

AIR CONTENT ANALYZER

When an A/C system leaks, refrigerant is lost and air enters the system. Your refrigerant recycler cannot tell the difference between refrigerant and air - it recycles both from partially filled systems. The Mastercool® Air Content Analyzer is more accurate than most automatic purging systems. It can be left on your supply tank for regular monitoring or it can be removed to check all your tanks.



NTE **78-3802**

Mastercool

ACCU-CHARGE II™ ELECTRONIC REFRIGERANT SCALE

ACCU-CHARGE II™ is the most advanced electronic refrigerant scale in the market today. Constructed with a rugged aluminum cast body, ACCU-CHARGE II™ offers programming capabilities: Charge Programming allows user to program desired quantities. Before charge is complete, an alarm will sound allowing user ample time to turn off refrigerant supply; Tank Capacity Programming allows user to know the amount of refrigerant left in the tank at any time; Repeat allows user to charge previously stored amount. Three-hour Auto Off function. Platform: 9" x 9".



Specifications

Capacity: ..... 240 lbs.
Accuracy: ..... + 0.16 oz., + 0.01 lb., + 0.01 kg.
..... or 0.1% of reading (whichever is greater)
Resolution: ..... 0.02 lb.
Operating Temperature: ..... 32°-120° F
Battery Life approx.: .....40 hrs.

NTE **78-3801**

Mastercool



A/C CHARGING SCALE
Features 220 lb. heavy-duty load cell and LCD display. Measures to .5 oz. Case included.

NTE **78-3875**

Mastercool



ELECTRONIC LEAK DETECTOR
Offers an accurate and reliable solution to Electronic Leak Detection.

Features
- 3 Levels of sensitivity (5 Levels of detection)
- Visual Leak Level Indicator
- Detects leaks as small as 1/10th oz. per year
- Detects all refrigerants, CFCs, HCFCs, HFCs
- Includes custom molded carrying case

NTE **78-3703** Mastercool® Electronic Leak Detector
NTE **78-3704** Replacement Bulb



TIF

HEATED PENTODE LEAK DETECTOR
Uses proven heated-pentode technology and features an improved grip, rechargeable NiMH battery and easy to read display. Designed to eliminate false alarms from moisture, solvents and cleaners. Improved true mechanical pump allows for instant response and clearing. Tri-color visual leak size indicator detects all CFC, HFC, and HCFCs. Tactile keypad controls provide one-touch reset and adjustable sensitivity. Can be used with R-12, R-22, R-123, R-134a, R-404a, R-407a, R-408a, and R-410a refrigerant types.

NTE **78-9802**

TIF



LEAK DETECTORS
Microprocessor controlled circuit with Advanced Digital Signal Processing detects all halogenated refrigerants. Leak detectors feature variable frequency audible alarm, CE approval, and are UL classified. Include 14" flexible stainless steel probe with teflon liner, and carrying case. Tactile keypad controls. Certified to SAE J1627.

Specs.	*NTE* **78-9801**	*NTE* **78-9803**	*NTE* **78-9804**
Ultimate Sensitivity	< 0.4 oz per year (11 gr/yr)	< 0.25 oz per year (7 gr/yr)	< 0.1 oz per year (3 gr/yr)
True Mechanical Pump	N/A	Yes	Yes
Visual Leak Indication Levels	N/A	6 (single color)	18 (tri-color)
Sensitivity Levels	1	2	7
Battery Life	Approx. 40 hrs.	Approx. 30 hrs.	Approx. 30 hrs.

Mastercool



INSPECTOR™ 2-IN-1 ELECTRONIC/UV LEAK DETECTOR
Revolutionary design allows the user to perform Electronic and UV Leak Detection all with one tool. The Inspector™ offers six levels of sensitivity (15 levels of detection) with a tri-colored LED indicator. This allows the Inspector™ to pin-point leaks as small as 1/10th oz. per year. The ultra bright UV light is built into the end of the probe allowing easy access into tight areas. Incorporating both electronic and UV technology into one unit ensures that even the toughest leaks can be found.

Features
- Ultra bright UV/Blue LED light
- UV safety glasses
- 6 Levels of sensitivity (15 levels of detection)
- Tri-colored visual leak level indicator
- Mute function
- Detects leaks as small as 1/10th oz. per year
- Detects all refrigerants, CFCs, HCFCs, HFCs
- Includes custom molded carrying case

NTE **78-3705**

Mastercool

COMBUSTIBLE GAS LEAK DETECTOR
Six levels of sensitivity for fast, accurate leak detection for: Gasoline, Propane, Acetylene, Hydrogen, Chlorine, and much more.

Features
- Six sensitivity levels
- Automatic warm up
- Bright LED light
- Audible leak alarm & visual leak size indicator
- Rechargeable Ni-MH battery
- Low battery indicator
- Custom molded carrying case
- Made in USA



NTE **78-3711**

CPS

LEAK SEEKER™ DELUXE ELECTRONIC LEAK DETECTOR



Combines the most advanced microcomputer circuitry with field proven Ion-pump sensor technology creating a highly sensitive, accurate electronic refrigerant leak detector. Over 100 computer generated tones and a high intensity bar graph display quickly alerts the user to varying halogen concentrations. Patented automatic calibration design eliminates the need for manual balance or tick rate adjustments while the user selectable 10 sensitivity ranges enables the LS790B to detect leaks of all refrigerants.

Specifications

- Sensor Type: Patented Ion-Pump sensor with built-in selective filter housing
- Sensitivity: 0.25 oz./yr (7g/yr) leak rate of HFC
- Audible Alarms: Over 100 computer generated tones varying in intensity with leak size
- Visual Display: 10 high intensity bar graph display
- Lock-Out Mode: Unique feature enables quick & easy locating of refrigerant leaks in highly contaminated search zones. In this mode, the unit will automatically & systematically store the recorded concentration levels of background refrigerant while initiating leak search, alarming only in the area of the highest recorded concentration level, the actual leak source.
- Flex probe: 18" (45 cm) long metal cable probe
- Operating Temperature: 0° to 140°F (-18° to 60°C)
- Power: 40 hours battery life using 4 AA alkaline batteries – Auto OFF after 15 minutes of inactivity.
- Low Battery Indicator: 5th LED constantly illuminates dimly indicating low battery condition.
- Weight: 1 lb. 2 oz. (500g)
- Warranty: 2 years excluding sensors and batteries

NTE **78-6801** Electronic Leak Detector
NTE **78-6802** Replacement Filter

TRACERLINE



PRO-ALERT ELECTRONIC REFRIGERANT LEAK DETECTOR

Features high-performance, heated-diode sensor technology with up to 200 hours of life. Optimum sensitivity detects leaks of 0.03-0.06 oz./yr. Variable intensity, audible alarm and flashing LED help pinpoint leaks fast. Automatically self-calibrates to neutralize background contamination. High/low switch for accurate diagnosis of both large/small leaks and flexible metal probe, which holds position in tight quarters. Replaceable foam filter protects sensor and pump. Sensitive to both R-12/R-134a refrigerants and certified to meet SAE J1627. Replacement filters, (2) D-cell batteries and rugged storage case all included.

NTE **78-4732**

CPS



ELIMINATOR™ CCD REFRIGERANT LEAK DETECTOR

Fully automatic electronic refrigerant leak detector for all HFC, HCFC, CFC, SF6 gases & blends. Exclusive POWERSHIFT software automatically monitors, controls & adjusts all critical instrument settings to ensure maximum leak search results under any job environment. Two separate visual LED displays enables user to pinpoint the exact location of leak source & the approximate size of that leak.

Specifications

- Sensor Type: Cold Cathode Diode. Patented design allows fast, accurate detection of refrigerant leaks maintaining maximum sensitivity throughout the life of the sensor. Highly resistant to background contaminants including heavy condensation, oils, leak solutions, brake oils, radiator coolants, washer fluids, etc.
- Sensitivity: Fully automatic selection allowing detection of a 0.25 oz./yr. (7g/yr.) leak rate of HFC.
- Leak Indication: Audible Alarms. Two user-selectable audible alarm option (HIGH and LOW intensity)
- Tachometer Visual Display: Tachometer-like bar graph display. Eight high intensity LEDs current sensitivity range of the unit and subsequent
  leak size
- Flex Probe: 35.5cm (14") long, 0.25" (6.4mm) diameter
- Operating Temperature: 0° to 140°F (-18° to 60°C)
- Power: 75 hours battery life using three size C alkaline batteries. Auto OFF after 10 minutes of inactivity.
- Low Battery Indicator: Right most LED on Tachometer display illuminates to indicate low battery condition.
- Weight: 1 lb. 2 oz. (500g)
- Warranty: 2 years excluding sensors and batteries

NTE **78-6803** Refrigerant Leak Detector
NTE **78-6804** Replacement Sensor

ROBINAIR



UV LEAK DETECTION KIT

UV leak detection finds auto leaks quickly without mess, measuring or calculations. Ultraviolet dye is injected and circulated throughout the A/C system refrigerant, then seeps out at the point of a leak. With the high-power UV lamp, the leak
will glow brightly and be spotted easily.

Contents

- Powerful 50-watt/12-volt UV lamp with cord and battery clips.
- Injection gun with R-134a hose & R-12 adapter.
- Four universal A/C dye twist-on cartridges (*ROB* **16356**). Enough dye for 20 applications (OEM-approved and SAE-certified dye).
- UV enhancing glasses with dye cleaner.

ROB **16350**

Mastercool

RECHARGEABLE TRUE UV FLASHLIGHT WITH BACK UP BATTERY



Twist the handle to zoom the UV light in or out. AAA battery holder provides power to flashlight (3 AAA batteries included). 3 to 5 Hour battery life for continuous leak detection. Includes safety glasses. High intensity LED light. 154 - 170 μW / cm2 which is compatible to a 50 watt UV flashlight. Two illumination modes - super bright and battery conservation. Lithium-Ion battery, full discharge and cut-off discharge of 4.2 and 2.75 Volt DC. Includes 110 Volt AC Charger.

NTE **78-3935**

Mastercool

17 LED TRUE UV FLASHLIGHT



17 LED bulb UV illumination. 4-hour battery life for continuous leak detection. Includes safety glasses. Aluminum body with type III anodized finish. Easy grip texture. 25,000-hour bulb life. Powered by (3) AAA batteries.

NTE **78-3934**

Mastercool

12 LED TRUE UV FLASHLIGHT



12 LED bulbs UV illumination. 5-hour battery life for continuous leak detection. Includes safety glasses. Aluminum body with type III anodized finish. Easy grip texture. 25,000-hour bulb life. Powered by (3) AAA batteries.

NTE **78-3933**

Mastercool



MASTER LEAK SHIELD 1 OZ. INJECTION SYSTEM WITH SEALANT AND DYE MIXTURE

Lubricates system and helps prevent leaks. Seals small leaks in evaporator, condenser, hoses, o-rings and gaskets. Illuminates larger leaks with high quality universal fluorescent dye. Safe for hybrid and electric compressors.

NTE **78-3937**

Mastercool

MASTER LEAK SHIELD REPLACEMENT CARTRIDGE



Replacement 1 oz. cartridge of Leak Shield sealant with UV dye. Lubricates system and helps prevent leaks. Seals small leaks in evaporator, condenser, hoses, o-rings and gaskets. Illuminates larger leaks with high quality universal fluorescent dye. Safe for hybrid and electric compressors.

NTE **78-3936**

RECYCLE GUARD™ A/C SEALANT FILTER



NTE **78-7301**



NTE **78-7302**

Ultimate protection for expensive equipment against sealant contamination

- Removes sealant, dye, lubricant, and other contaminants from refrigerant prior to entering the recovery unit
- User replaceable Filter Kit (*NTE* **78-7302**)
- Use with recover, recycle, and recharge units that have external or internal manifold pressure gauges
- Easy hookup between vehicle and A/C service equipment
- Works with refrigerant in either a gas or liquid state

Kit Includes

- A/C system sealant remover
- 1/2" ACME fittings for R-134a service hoses
- Extra 36" A/C service hose with 1/2" ACME-F fittings
- Universal hanger

Item No.	Description
NTE **78-7301**	NAPA Cold Power® Recycle Guard™ A/C Sealant Filter
NTE **78-7302**	Replacement Filter for Recycle Guard™ Recommended service interval - every 30 hours of recovery, or whenever recovery slows significantly, whichever comes first.
NTE **78-7303**	R-12 Adapter Kit for Recycle Guard™, Contains (2) 1/2" ACME-F x 1/4" MFL adapters and 36" A/C service hose with 1/4" FFL fittings.

TRACERLINE®

EZ-JECT™ UV LEAK DETECTION KIT WITH OPTI-LITE™



Includes

OPTI-Lite™ cordless LED flashlight, EZ-Ject™ A/C dye injector, R-134a hose & coupler with R-12 adapter/purge fitting, EZ-Ject™ universal dye cartridge for all A/C systems, 1 oz bottle of Dye-Lite® All-In-One™ standard dye for all oil-based fluids, 1 oz bottle of Dye-Lite® coolant dye, fluorescence-enhancing glasses, underhood labels and plastic carrying case.

NTE **78-4731** UV Leak Detection Kit
NTE **78-4718** EZ-JECT™ Universal A/C Dye (6) 1/2 oz. capsules

TRACERLINE®

LEAKFINDER™ LEAK DETECTION KIT



Everything necessary to perform a complete A/C and fluid leak detection (low-side injection). Kit includes: Inspection lamp, A/C syringe dye injector, hose/coupler with check valve, R-12 adapter/purge fitting, 1 oz. bottle of Flouro-Lite™ universal A/C system dye, 1 oz. bottle of Dye-Lite™ All-In-One™ standard oil-based fluid dye, 1 oz. bottle of Dye-Lite™ coolant dye, 8 oz. spray bottle of Glo-Away™ dye cleaner, fluorescence-enhancing glasses, under hood labels and plastic carrying case.

NTE **78-4733**

TRACERLINE®

A/C LEAK DETECTION KIT



Everything necessary to perform an A/C only leak detection (low-side injection). Kit includes: Inspection lamp, EZ-Shot™ A/C dye injection gun, R-134a hose/coupler, R-12 adapter/purge fitting, 8 oz. Big EZ™ universal A/C dye cartridge, 8 oz. spray bottle of Glo-Away™ dye cleaner, fluorescence-enhancing glasses, under hood labels, Opti-Lite™ cordless LED flashlight and plastic carrying case.

NTE **78-4734** A/C Leak Detection Kit
NTE **78-4717** BIG-EZ™ Universal A/C Dye (1) 8 oz. Cartridge

TRACERLINE®

EZ-SHOT™ A/C KIT

Includes



EZ-Shot™ universal A/C dye injection kit with: EZ-Shot™ dye injection gun, hose/coupler for R-134a systems with R-12 adapter/purge fitting, and 8 oz. universal A/C dye cartridge for servicing up to 64 vehicles. Replacement Dye (*NTE* **78-4717** - 8 oz. Universal Dye Cartridge)

NTE **78-4709** EZ-Shot™ A/C Kit
NTE **78-4717** Universal BIG-EZ™ Dye, 8 oz.

UVIEW

LEAKGUARD SPOTGUN INJECTOR KIT



Provides accurate and clean method of injecting dye and oil. Comes with 8 oz. Universal A/C dye and services up to 64 vehicles. OEM approved. Includes injector, dye and hose with coupling adapter.

NTE **78-8024**

UVIEW

LEAKGUARD SPOTGUN JR. INJECTOR KIT



Seals leaks up to 0.25 oz. per year and provides clean, easy injection method. Will not clog A/C systems or RR equipment. SAE J2970 certified. Includes injection gun, hose with R-134a low side coupler, two Leakguard cartridges, hose filler cartridge and hose bleeder.

NTE **78-8022**

UVIEW

LEAKGUARD SPOTGUN CARTRIDGE



Seals leaks up to 0.25 oz. per year. Will not clog A/C Systems or RRR equipment. SAE J2970 certified. Services up to 8 vehicles. Fits *NTE* **78-8024**.

NTE **78-8025**

UVIEW

LEAKGUARD REFILL CARTRIDGES



Seals leaks up to 0.25 oz. per year. Will not clog A/C systems or RRR equipment. SAE J2970 Certified. Four cartridges. Fits *NTE* **78-8022**.

NTE **78-8023**

UVIEW

UNIVERSAL A/C DYE CARTRIDGE FOR LEAKGUARD SPOTGUN



Universal A/C dye. SAE J2297 certified. Services up to 64 vehicles. OEM approved. Fits *NTE* **78-8024** and *NTE* **78-8022**.

NTE **78-8026**

TRACERLINE®

OPTIMAX JR™ FLASHLIGHT W/GLASSES



Cordless, ultra-compact leak detection flashlight. Very high intensity LED bulb with 100,000-hour service life.

- Over 4 hours peak performance
- Power comparable to high intensity 75W lamps
- Inspection range of up to 6 feet or more
- Choice of continuous or momentary illumination
- Powered by 3 AA batteries (included)
- Includes UV enhancing glasses

NTE **78-4712**

TRACERLINE®

OPTIMAX™ RECHARGEABLE FLASHLIGHT W/GLASSES



Cordless, rechargeable leak detection flashlight: Most powerful Portable! Super-high intensity LED bulb with 100,000-hour service life is 10 times brighter than regular LED lights.

- Power comparable to super-high intensity 100W lamps
- Inspection range of up to 20 feet
- Compatible with all leak detection dyes
- Powered by rechargeable NiMH battery for over 6 hours of peak power
- Includes A/C charger and UV enhancing glasses

NTE **78-4713**

TRACERLINE®

OPTI-LITE™ 50W CORDLESS LEAK DETECTION FLASHLIGHT



Compatible with all standard leak detection dyes! 3 AA batteries included.

NTE **78-4730**

TRACERLINE®

UV ENHANCING SAFETY GLASSES



This is a must have for protection against ultraviolet light during leak detection.

NTE **78-3710**

ROBINAIR

TRACKER A/C UV DETECTION KIT



The easiest and most accurate gun available today. No guesswork due to pre-measured application every time. One squeeze injects a pre-measure amount (1/8 oz.) of dye. No more adding too much dye. Fluoresces dye from up to 50 feet away. Kit includes injection gun, U/V light, dye, cleaner, glasses and case.

NTE **78-9701**

ROBINAIR

A/C FLUORESCENT DYE



Dye has up to 64 application uses and is one of the brightest dyes in the industry, helping users find leaks faster. Exceeds all industry performance standards and is OEM backed and approved. Compatible with all materials found in a vehicle's A/C system. Solvent-free formula. For use with *NTE* **78-9701** guns, 8 oz.

NTE **78-9702**

UVIEW

UV PHAZER NEO LIGHT



The new NEO UB light finds leaks that others miss. High-output UV LED, adjustable focusing lens, and optimized UV wavelength fluoresces light brighter than blue LED lights. Features lithium-ion battery, durable aluminum construction, compact design and 550 mW radiant flux output at NM configuration. Working voltage: 3.7-volt lithium-ion.

NTE **78-8021**

Mastercool

MACH IV™ LED UV LIGHT



The Mach IV™ flexible UV light has (4) TRUE UV LEDs delivering a brilliant fluorescent glow. Flexible wand design gets into tight areas. Rugged, ergonomic grip. Includes UV enhancing safety glasses. Uses (1) CR-2 batteries.

NTE **78-3709**

id

THE DUALER PRO A/C THERMOMETER/UV FLASHLIGHT



Laser thermometer features digital display screen for instant vent temp checks. Patented UV light features four LEDs, which converge into a single beam due to the uniquely designed focal lens. Thermometer and light are powered by separate switches. Works with any type of UV dye.

BK **765-3150**

id

THE DUALER A/C UV FLASHLIGHT



Features dual UV and high-intensity, long-reach light. UV flashlight utilizes four LEDs, which converge into a single beam due to the uniquely designed focal lens. Works with any type or brand of UV dye. Three-way switch for ease of use.

BK **765-3149**

OIL/DYE INJECTORS

Excellent method for adding refrigerant for adding large amounts of UV leak detection dye to the A/C system. Add oil by allowing vacuum to pull it in using the recharge system. Rugged all-metal 2 oz. canister.

COLD POWER

R-134A OIL & DYE INJECTOR W/EASY CONNECT



Includes low-side quick coupler on outlet hose. 13mm-M x 13mm-F Low Side Coupler.

NTE **78-1630**

COLD POWER

R-12 OIL & DYE INJECTOR W/EASY CONNECT



Includes auto shut-off valve on outside hose. 1/4" FFL x 1/4" MFL fittings. Holds 2 oz.

NTE **78-1701**

Mastercool

STANDARD R-134A REFILLABLE OIL & DYE INJECTOR

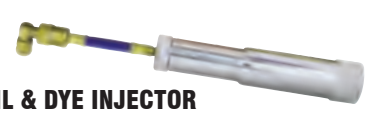


Uses needle style valve attached between the manifold gauge set or charging equipment and A/C hose. 1/2" ACME-M x 1/2" ACME- F (R-134a). Holds 2 oz.

NTE **78-3701**

Mastercool

A/C UNIVERSAL R-12/ R-134A TWIST-STYLE OIL & DYE INJECTOR



Simple to use! Connect injector to low side of the A/C system and twist the handle until desired amount of oil or dye is reached. R-134a coupler and auto shut-off adapter for 1/4-inch FL (R-12) systems included. Holds 2 oz. of bulk dye or oil.

NTE **78-3702**

ROBINAIR

R-134A OIL INJECTOR



R-134a oil injector with 1/2" Acme quick coupler. Use this syringe-type injector to add oil to a fully pressurized A/C system. Just fill the barrel with the amount of oil needed, connect the injector, and press the plunger. Not recommended for UV dye injection. Fitting size: 1/2".

NTE **78-9102**

ROBINAIR

R-134A OIL INJECTOR ASSEMBLY



Assembly is made of durable polypropylene with oil levels marked in ounces and milliliters. Features solid brass fitting with Lexan hand wheel. Not recommended for UV dye injection. Fitting size: 1/2".

NTE **78-9106**

A/C R-134A 1ST CHARGE WITH ICE® 32



When refrigerant is added to any empty system it engages the compressor. The lubricant in the compressor must travel through the condenser, drier and evaporator before returning to the compressor. This time lapse may cause the compressor to fail from oil starvation. Instantly lubricates new compressors and absorbs moisture to help prevent corrosion of system components.

BK **765-3507** 12.5 oz.
BK **765-3507CA** Approved for California

R-134A HYBRID A/C COMPRESSOR REFRIGERANT OIL



BK **765-3512** *BK* **765-3513**

High-performance lubricant is specially-formulated for electric hybrid air conditioning compressors. The dielectric formula keeps voltage from leaking into compressor case through oil. Provides superior lubricity and protection against compressor wear. Compatible with Honda 38899RCJO1 and Toyota ND-11 factory lubricants.

BK **765-3512** Charge, 3 oz.
BK **765-3513** Pourable, 7 oz.

COLD POWER

UNIVERSAL A/C UV DYE



Includes 32 applications for R-12 or R-134a with PAG, Ester or mineral oil. Measure and pour bottle makes application a snap. Meets SAE J2297.

NTE **78-8100** 8 fl. oz.
NTE **78-8105** 1 fl. oz.

COLD POWER

MEASURE & POUR OIL/FUEL/TRANSMISSION/ POWER STEERING UV DYE



Contains eight applications of UV dye for engine, transmission, hydraulic or power steering lubricant. May also be used with gasoline and diesel fuels. Measure and pour bottle makes application a snap.

NTE **78-8101** 8 fl. oz.
NTE **78-8106** 1 fl. oz.

COLD POWER

MEASURE & POUR ENGINE COOLING SYSTEM UV DYE



Contains eight applications of UV Dye for radiator antifreeze/coolant. Measure and pour bottle makes application a snap.

NTE **78-8102** 8 fl. oz.
NTE **78-8107** 1 fl. oz.

COLD POWER

DEX-COOL® ENGINE COOLING SYSTEM UV DYE



Approved for use in GM 1996-Up vehicles only. Works only with Dex-Cool® type engine coolants.

NTE **78-8108** 1 fl. oz., (1 Application)
NTE **78-8103** Measure & Pour, 8 fl. oz. (8 Applications)

TRACERLINE®

LEAK DETECTION DYE



Patented dye for all oil-based fluids, including gasoline/diesel fuel, power steering and automatic transmission fluid, engine oil (including synthetics), and petroleum-based hydraulics. Fluoresces yellow-green under both ultraviolet and blue light.

NTE **78-4700** 1 fl. oz. (Pack/6)
NTE **78-4701** 8 fl. oz.

TRACERLINE®

WATER-BASED COOLANT LEAK DETECTION DYE



Specifically formulated for engine coolant and auto body leak checks. Works with any leak inspection lamp.

NTE **78-4702** 1 fl. oz. (Pack/6)
NTE **78-4703** 8 fl. oz.

TRACERLINE®

WATER-BASED EXTENDED-LIFE COOLANT LEAK DETECTION DYE



Blended leak detection dye will not discolor coolant, preventing mis-diagnosis of engine problems. For use in all engine coolants and works with any leak detection inspection lamp.

NTE **78-4704** 1 fl. oz. (Pack/6)

TRACERLINE®

A/C UNIVERSAL DYE CARTRIDGE

Universal R-134a and R-12 dye is compatible with Tracerline EZ-Ject™/EZ-Shot™, as well as all lubricants, and refrigerants. Also fits Viper Eyes™ Cartridge No. 499005 applications.

NTE **78-4716** 4 fl. oz.
NTE **78-4717** 8 fl. oz.

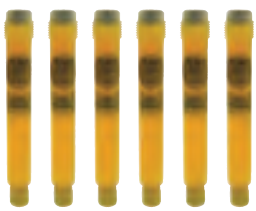


TRACERLINE®

UNIVERSAL A/C DYE CAPSULES

Compatible with R-134a and R-12 A/C systems. Fits all Tracerline EZ-Ject™ Injectors. Fits *NTE* **78-4731** and *NTE* **78-4718**.

NTE **78-4718** Six 1/2 fl. oz



TRACERLINE®

A/C LEAK DETECTION DYE

Universal R-134a/R-12 leak detection dye for PAG, mineral oil, and Ester A/C systems.

NTE **78-4719** 1 fl. oz. (Pack/6)
NTE **78-4720** 8 fl. oz.



UV LEAK DETECTION DYES

Make leak detection simple and profitable! All you need is the correct dye for the fluid system you are checking, a black light and a few minutes.

NOTE: Do not use in brake systems.



Item No.	Description
BK **765-2665**	A/C, R-134a (0.25 fl. oz.)
BK **765-2666**	A/C, Universal (1 fl. oz.)
BK **765-2661**	Oil/Transmission (1 fl. oz.)
BK **765-2663**	Radiator/Coolant (1 fl. oz.)

Mastercool®

UV DYE REMOVER

Removes all traces of dye from work area so repairs can be verified.

NTE **78-3715** 4 fl. oz.



A/C PRO R-134A PAG 46 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

Low-viscosity (ISO 46) PAG oil charge for R-134a systems. Features Ice 32™ lubricant enhancer, which helps extend compressor life and improve cooling capacity. Meets O.E.M. specifications.

BK **765-3138** 3 oz.



A/C PRO R-134A PAG 100 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

Medium-viscosity (100 ISO) oil for R-134a for all systems.

BK **765-3139** 3oz.



A/C PRO R-134A PAG 150 OIL CHARGE W/ICE 32™ PERFORMANCE ENHANCER

High-viscosity (ISO 150) oil for R-134a O.E.M. systems. For use in 2003-Up Chrysler, Ford and GM, as well as most foreign cars.

BK **765-3140** 3oz.



A/C PRO R-134A ESTER OIL CHARGE W/O-RING CONDITIONER W/ICE 32™ PERFORMANCE ENHANCER

Helps quiet noisy compressors in all R-134a systems.

BK **765-3142** 3oz.





BK **765-3508** *BK* **765-3509** *BK* **765-3510** *BK* **765-3511**

ESTER & PAG R-134A REFRIGERANT LUBRICANTS WITH ICE® 32

Air conditioning R-134a system oils with lubricant enhancer.

Item No.	Description
BK **765-3508**	PAG 46, Low Viscosity (8 oz.)
NCB **P-46QT**	PAG 46, Low Viscosity (1 qt.)
BK **765-3509**	PAG 100, Medium Viscosity (8 oz.)
NCB **P-100QT**	PAG 100, Medium Viscosity (1 qt.)
BK **765-3510**	Ester 100 Medium Viscosity (8 oz.)
NCB **E-100QT**	Ester 100, Medium Viscosity (1 qt.)
BK **765-3511**	PAG 150, High Viscosity (8 oz.)
NCB **P-150QT**	PAG 150, High Viscosity (1 qt.)

NAPA® A/C R-134A PAG 100 OIL W/UV DYE

ISO 100 viscosity premium synthetic PAG oil for any R-134a PAG system. Includes UV dye for locating those hard-to-find leaks.

BK **765-6024** 8 fl. oz.



NAPA® A/C R-134A PAG 150 OIL W/UV DYE

ISO 150 viscosity premium synthetic PAG oil. Includes UV dye for locating those hard-to-find leaks. Meets GM Specification 9988572 for R-134a air conditioners.

BK **765-6026** 8 fl. oz.



NAPA® A/C PAG 46 OIL W/UV DYE

ISO 46 viscosity premium synthetic PAG oil. Includes UV dye for locating those hard-to-find leaks. For most non-GM applications with R-134a air conditioners. Meets SAE J2297. 8 oz.

BK **765-6027** 8 fl. oz.



NAPA® A/C R-134A 5-SHOT UV DYE

Easiest way to add UV dye to an A/C system. Patented push-button, quick-connect hose is vacuumed to prevent air from entering A/C system. Hold button for three seconds to inject a single application of UV dye. Contains five applications. Meets SAE J2297.

BK **765-6002** 2.1 oz.



NAPA® A/C UV DYE CLEANER

Spray away UV dye residuals with easy-to-use, directional hose for hard-to-reach areas.

BK **765-6005** 8 oz.



NAPA® A/C R-134A STOP LEAK

PAG oil and R-134a refrigerant, plus leak finder and o-ring conditioner to prevent leakage and improve durability. A red dye is included to mark larger leaks that may need manual repair.

BK **765-2978** 4 oz.



NAPA® A/C R-134A QUICK COOL WITH EASY DISPENSING HOSE

Quick Cool is the easy way to tune up your a/c system without additional tools. It contains 12 oz. of R-134a refrigerant, 2 oz. of PAG oil to lubricate and quiet noisy compressors, stop-leak to prevent refrigerant leakage and o-ring conditioner to improve durability. The easy-to-use recharge hose also contains a safety valve to prevent refrigerant from venting.

BK **765-2975** 14 oz.
BK **765-2975CA** 14 oz. Approved for California

NAPA® A/C R-134A PLUS

R-134a Plus contains everything needed for a complete a/c tune up. It contains 11 oz. R-134a refrigerant, 2 oz. of PAG oil to lubricate and quiet noisy compressors and 1 oz. of Cool Down to improve cooling up to 10°. It also adds o-ring conditioner to improve durability, stop-leak to prevent refrigerant leakage and red dye to mark leaks that may need to be manually repaired.

BK **765-2976** 14 oz.
BK **765-2976CA** 14 oz. Approved for California



A/C R-134A PRO-LINE SUPER SEAL

This single-step aerosol system is designed to seal leaks in both the metal and rubber parts of an air conditioner. A red dye marks larger leaks that may need to be manually repaired. Quick-connect recharge hose, can-tap and complete instructions included. Patents pending.

BK **765-3550** 3 oz., boxed



A/C PRO R-134A SUPER SEAL

R-134a Super Seal Metal and Rubber A/C Repair Kit patented single-step aerosol system that seals small leaks in both the metal and rubber parts of an air conditioner. Rejuvenates O-rings and gaskets. Safe for all R-134a systems. Compatible with all PAG and Ester lubricants.

BK **765-2980** 3 oz. aerosol



A/C & HEATER DUCT CLEANER

Eliminates odors caused by mold, mildew, smoke, bacteria, algae and cigarette smoke. Fresh, clean scent.

BK **765-6000** 4 oz.



A/C EVAPORATOR ODOR ELIMINATOR

Long-lasting formula eliminates odors caused by bacteria, mold and mildew in air conditioning systems. Direct extension tube applicator allows treatment to be applied at its source in vents, ductwork, evaporator core and drain pan area. Biodegradable and safe for use in all A/C systems.

BK **765-3141** 8 oz.



NAPA® R-134A HIGH-MILEAGE REFRIGERANT



Includes Stop Leak. Rejuvenates worn A/C parts. Quiets noisy compressors. Extends life of compressor. Protects against future wear.

BK **765-2763** 13 oz.

A/C R-134A REFRIGERANT RECHARGE KIT



Brass can tap valve for 12 oz cans of R-134a refrigerant to low side service port. 90 degree quick-connect coupler for tight spots around the low-side service port.

BK **765-2981**

A/C PRO PROFESSIONAL FORMULA REFRIGERANT



Replaces lost refrigerant to AC systems and cools interior faster with colder, drier air. Seals AC system leaks and protects and extends AC life.

Part No.	Description
NCB **ACP-100**	20 oz. can with reusable hose and gauge
NCB **ACP-100CA***	20 oz. can with reusable hose and gauge
NCB **ACP-102**	12 oz. can
NCB **ACP-102CA***	12 oz. can

Meets CA requirements

NAPA® R-134A SYNTHETIC A/C BOOSTER



Reduces engine drag for improved gas mileage. Up to 18% colder air. Extends compressor life. Prevents oxidation and sludge formation.

BK **765-2766** 18 oz. w/hose and gauge
BK **765-2766CA** 18 oz. w/hose and gauge, Approved for California

SYNTHETIC A/C BOOSTER



Formulated to improve auto air conditioner cooling capabilities and heat exchange. Forms a protective film to decrease friction, reduce engine drag, prevent oxidation/sludge formation and extend life of all moving components. Add directly to lubricant being added to system.

BK **765-3506** 2 fl oz.

A/C PRO AEROSOL CLEAN & FLUSH



Fast-drying solution safely removes old oil and contaminants from A/C systems. Disposable dispensing hose included. Biodegradable and environmentally friendly. For use on R-134a and R-12 systems.

BK **765-3135** 17 oz.

Mastercool

HYDRA-KRIMP™ A/C HOSE FABRICATOR KIT



Patented tool makes crimping barbed and beaded fittings as easy as 1-2-3! Lightweight, handheld hydraulic press is portable, and ideal for shop or field applications. Includes complete set of dies for #6, #8, #10 and #12. Dies snap quickly into press fixture — no pins or screws required! Custom-molded case and quick start reference guide included. Die sizes Include: #6 (5/16"), #8 (13/32" RB), #8 (13/32"), #10 (1/2"), #12 (5/8"), #6 (5/16" RB), #10 (1/2" RB) and #12 (5/8" RB).

NTE **78-3201**

Mastercool

MANUAL A/C HOSE CRIMPER



Dies snap quickly into place requiring no pins or screws. The unit can be easily mounted to a bench using the holding fixture or held securely in a vise. Kit comes with a complete set of dies covering standard hose sizes #6, #8, #10, and #12. Kit comes in a custom molded carrying case.

NTE **78-3202**

COLD POWER

12 PC. COMPRESSOR CLUTCH & SEAL SERVICE KIT



Includes tools needed to replace seals on GM compressors from the early 1960s through current model year as well as Tecumseh HR-980. Comes in sturdy molded carrying case.

NTE **78-1300**

COLD POWER

6 PC. SPECIAL GM DA6 SEAL SERVICE KIT

For carbon type seals, for use with tools from seal service kit *NTE* **78-1300**. Contains seal remover & installer, o-ring & snap-ring installer, metric clutch plate remover and installers, shaft protector, and o-ring installation guide. Comes in sturdy molded carrying case.

NTE **78-1301**



COLD POWER

5 PC. SEAL SERVICE KIT

All specialized tools needed when replacing seals on these compressors: Ford FS6; Nippondenso 6P 148A; Tecumseh HR-980. 5-piece kit housed in a sturdy molded carrying case.

NTE **78-1302**



COLD POWER

4 PC. FORD FX-15/FS-10 SEAL SERVICE KIT

4 Piece kit includes all special tools needed to replace the seals on FX-15/FS-10 compressors. Comes in custom molded case.

NTE **78-1303**



COLD POWER

33 PC. MASTER SEAL SERVICE TOOL KIT

33 Piece kit includes all tools needed to service seals on all popular automotive A/C compressors. Comes in sturdy molded case.

NTE **78-1304**



COLD POWER

22 PC. MASTER CLUTCH SERVICE TOOL KIT

22 Piece kit set contains all the tools needed to service clutches on these compressors: GM A6, R4, and DA6; 6-pole R4, V5 and HR-6; Ford FS-6; Chrysler C171; Nippondenso 6P 148A; Sanden 507, 508, and 510; Pitts and Warner. Comes in sturdy molded case.

NTE **78-1305**



COLD POWER

9 PC. DELUXE CLUTCH/HUB PULLER/INSTALLER KIT

Kit contains a complete offering of A/C compressor clutch hub pullers and installers for GM, Ford, Chrysler, and imports. 9-piece kit comes in a sturdy molded case.

NTE **78-1306**



COLD POWER

6 PC. DELUXE ORIFICE TUBE SERVICE KIT

Universal kit will remove and install any style orifice tube. Comes in a custom molded case.

NTE **78-1309**



Mastercool

GM CERAMIC SEAL SEAT REMOVER

NTE **78-3203**



Mastercool

SANKYO CLUTCH PLATE PULLER

NTE **78-3204**



TUBE CUTTERS & TOOLS

Mastercool® Tube Cutters are lightweight yet durable. Carbide steel cutting wheels work with hard and soft copper, aluminum, brass, thin wall steel and stainless steel. All cutters feature rollers with flare cut-off grooves to salvage as much old tubing material as possible.

Mastercool

RATCHET-STYLE TUBE CUTTER

When you don't have swing room, ratchet action allows cutting all the way around the tubing. O.D.: 1/4" to 7/8".

NTE **78-3001**



Mastercool

HEAVY-DUTY TUBING CUTTER

O.D.: 1/8"-1 1/8".

NTE **78-3121**



Mastercool

MINI TUBING CUTTER



O.D.: 1/8"-5/8" (1/8"-1/2" nominal).

NTE **78-3120**

EVERCRAFT

MINI TUBING CUTTER



Cuts thin-wall steel, plastic, copper, and brass tubing from 1/8-5/8 inches (3-16mm) in diameter. Two rollers provide a burr-free cut, and compact size allows cutter to fit into tight work areas. Strong metal frame and carrier.

BK **776-9000**

Mastercool

GM/FORD ORIFICE TUBE REMOVER/ INSTALLER



Used on all GM (CCOT) and Ford (FOTCC) systems with evaporator inlet orifice tubes.

NTE **78-3205**

Mastercool

GM/FORD SCREEN EXTRACTOR



Used with *NTE* **78-3205**.

NTE **78-3206**

COLD POWER

COMPRESSOR TURNER TOOL





Compressor manufacturers recommend turning the clutch prior to initial startup of a new compressor. This spreads lubricant that may have settled over time, and helps prevent potential compressor damage at startup.

- Threads into the clutch hub
- Fits all hex-less compressors, including R, H, and V series
- Uses a standard 19mm (3/4") wrench
- Won't slip and offers greater leverage than a spanner

NTE **78-7300**

Kerwin Tools

A/C CLUTCH PLATE REMOVER & INSTALLER



Removes and installs clutches on air conditioning compressors and allows user to remove clutch plate without removing retaining ring. For use on A-6 and R-4 compressors. Not for metric threads.

SER **2416**

A/C CLUTCH PULLEY PULLER SET



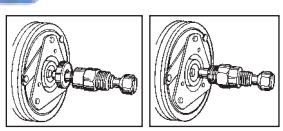
For removal of stubborn air-conditioning clutch pulleys. Can also be used on many alternator, generator, power steering and crankshaft pulleys, harmonic balancers and fiber timing gears. Set includes drop-forged components: one live center forcing screw, crossbar with three spread settings, two pair of jaws, clamp bolt and case.

Specifications

Cross Bar Length: 5 1/2"
Puller Reach: 1" – 5"
Puller Spread Range: 3" – 5"
Puller Center Screw Size: 3/4"-16 x 5"

NTE **78-9104**

Kerwin Tools





GM CLUTCH PLATE REMOVER & INSTALLER

For GM DAG and V5 Compressor Clutches

Remove and install clutches on GM air conditioning DA6 and V5 compressor clutches without removing retaining ring. Install clutch plate with compressor on car. Metric threads.

CAUTION: For intended use only.

SER **3340**

Mastercool

UNIVERSAL PULLEY PULLER SET



Two-Jaw puller. Reach: 2.25". (102mm); Spread: 1/2"-8" (13-203mm).

NTE **78-3812**

COLD POWER

TRI-TIP UNIVERSAL CLUTCH HOLDING TOOL



NTE **78-1310**

EVERCRAFT

A/C CLUTCH HOLDING TOOL

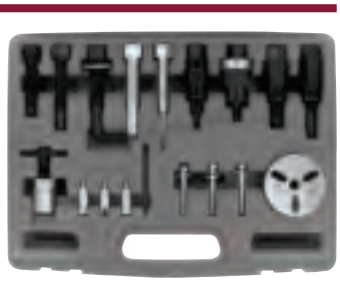


A/C tool holds compressor clutch in place when removing holding bolt. Adjust pins to fit holes in clutch. Prevents clutch plate from turning when moving the shaft nut. Designed for GM R-4 compressors, but will fit other GM, Pitts, Warner and Ogura clutches.

BK **776-8070**

EVERCRAFT

A/C CLUTCH TOOL KIT



A/C clutch tool kit is for removal and installation of A/C compressor clutches for Ford, Chrysler and GM vehicles. Comes in a sturdy molded plastic storage carry case.

BK **776-8076**

COLD POWER

GM CLUTCH PLATE REMOVER/INSTALLER
Tools remove and install clutches on GM A/C compressors. Removes clutch plate without removing retaining ring and install clutch plate with compressor on car. Use on all A-6 and pre-1980 R-4 compressors. Tool will not work on metric threads.
NTE **78-1308**



COLD POWER

SAE CLUTCH PLATE REMOVER & INSTALLER
Versatile, fits GM R4, A6/Chrysler C171/Ford, Hitachi/Tecumseh compressors.
NTE **78-1312**



COLD POWER

METRIC CLUTCH PLATE REMOVER & INSTALLER
Fits GM, Ford, Chrysler A/C compressors.
NTE **78-1311**



COLD POWER

SAE CLUTCH PLATE REMOVER & INSTALLER
Fits Chrysler A590, C171, and Ford FS-6 compressors.
NTE **78-1317**



Mastercool

CLUTCH PLATE INSTALLER
Fits Nippondenso compressors 10P/10PA/6P148/Ford FS-6.
NTE **78-3208**



Mastercool

CLUTCH PLATE INSTALLER
Fits GM DA6 compressors.
NTE **78-3209**



Mastercool

GM CLUTCH REMOVER/INSTALLER
Clutch Hub Removal and Installation tool Kit for DA6, HD6, HR6, V5, and HT6 Compressors. Metric Fine Thread. 2 pc. Set.
NTE **78-3213**



Mastercool

CLUTCH PLATE INSTALLER
Fits GM A6, and R4 compressors. SAE, Coarse Thread.
NTE **78-3218**



Mastercool

CLUTCH PLATE REMOVER
Fits Nippondenso 10P, 10PA, and 6P148 compressors.
NTE **78-3207**



Mastercool

CLUTCH HUB REMOVER
Fits GM R4 compressors SAE, Coarse Thread-Concave.
NTE **78-3214**



Mastercool

CLUTCH PLATE REMOVER
Fits GM R4 compressors. SAE, Coarse Thread-Pointed.
NTE **78-3215**



Mastercool

CLUTCH PLATE REMOVER
Fits GM DA6, HR, HD, R4, V5, and HT6 compressors. Metric, Fine Thread.
NTE **78-3216**



APPLICATIONS

Tool Description	Item No.
Harrison A6 Compressors	
Hub and Plate Remover	*NTE* **78-3215**
Hub Installer	*NTE* **78-3218**
Shaft Seal Remover & Installer - Ceramic	*NTE* **78-3203**
Harrison R4 Compressors	
Hub and Plate Remover/Pointed/SAE/Coarse Thread	*NTE* **78-3215**
Hub and Plate Remover/Concave/SAE/Coarse Thread	*NTE* **78-3214**
Hub and Plate Remover/Concave/Metric/Fine Thread	*NTE* **78-3216**
Hub and Plate Installer/Concave/SAE/Fine Thread	*NTE* **78-3218**
Seal Seat Remover and Installer	*NTE* **78-3203**
Harrison H V-5 Series Compressors	
Hub and Plate Remover/Installer Kit	*NTE* **78-3213**
Remover Only	*NTE* **78-3216**
Installer Only	*NTE* **78-3209**
Pulley Puller - Universal	*NTE* **78-3812**
Shaft Seal Remover/Installer	*NTE* **78-3203**
Sanden/Sankyo/Diesel Kiki Compressors	
Hub and Plate Remover/Installer Kit	*NTE* **78-3204**
Chrysler/Jeep	
Hub and Plate Remover - C171, A590	*NTE* **78-1317**
Hub and Plate Installer - C171, A590	*NTE* **78-3208**
Clutch Hub Remover - Sanden	*NTE* **78-3204**
Hub and Plate Remover for 10PA, 10P, and 6P 148	*NTE* **78-3207**
Hub and Plate Installer for 10PA, 10P, and 6P 148	*NTE* **78-3208**
Ford	
Hub Remover for FX15, FS10, and FS-6	*NTE* **78-1317**
Hub Installer for FX15, FS10, and FS-6	*NTE* **78-3208**
Hub and Plate Remover - 6P 148	*NTE* **78-3207**
Hub and Plate Installer - 6P 148	*NTE* **78-3208**
FX15, FS10 Shaft Seal Kit	*NTE* **78-1303**
Nipponedenso	
Hub and Plate Remover for 10PA, 10P, and 6P 148	*NTE* **78-3207**
Hub and Plate Installer for 10PA, 10P, and 6P 148	*NTE* **78-3208**
Master Service Kits	
33 Pc. Master Seal Service Tool Kit	*NTE* **78-1304**
22 Pc. Master Clutch Service Tool Kit	*NTE* **78-1305**
9 Pc. Deluxe Clutch/Hub Puller/Installer Kit	*NTE* **78-1306**

A/C PRO R-134A RECHARGE HOSE ADAPTER



Connects standard, piercing-style recharge hoses to self-sealing cans (California approved can).
NOTE: Not for use with cans that require piercing.
BK **765-3152**

A/C O-RING ASSORTMENTS



High-temperature HNBR rubber o-rings for R-12 and R-134a systems. Includes eight of the most commonly used o-ring sizes.
BK **765-3136** 24 Pc.
BK **765-3137** 240 Pc.

BK **765-3137**

NAPA® UV LEAK DETECTOR KIT



High-intensity true UV light and safety glasses.
BK **765-6010**

NAPA® R-134A MANIFOLD GAUGE & HOSE KIT



Lowest cost manifold gauge and hose set. Attracts do-it-yourself customers, and prevents them from charging on high-side. Also prevents need for additional adapter for charging with 12 oz. R-134a. Includes: 24-inch blue low-side hose, 24-inch red high-side hose, 24-inch yellow charging hose, high- and low-side connectors, R-134a can tap, and complete troubleshooting instructions.
BK **765-6009**

R-134A RECHARGE HOSE WITH GAUGE HANDLE



For charging through A/C low-pressure service port. Get an accurate diagnosis and fill with the built-in low-pressure gauge in handle with range-finder. Features thermoplastic quick-connect coupler and can tap.

Item No.	Description
BK **765-4100**	R-134a Recharge Hose with Gauge Handle
BK **765-4100CA**	Approved for California

SMART-CHARGE™ R-134A RECHARGE KIT



The latest revolutionary creation for the Do-It-Yourself market! Smart-Charge is designed to take the guesswork out of auto A/C recharging. Built-in temperature sensor calculates ambient temperature with the pressure of the system, automatically diagnosing A/C's condition. Easy-to-read, lighted displays alert operator quickly and advise proper course of action.
BK **765-4101**

R-134A QUICKCHECK PRESSURE INDICATOR



Check low-side pressure at a glance and easily determine if system is in need of service with this innovative dial pressure indicator. Simply twist gauge face until arrow points at outside temperature, then check or charge that area. Attaches to low-pressure service port with patented thermoplastic, angled quick-couple fitting for tight spots around low pressure service port.
BK **765-4102**

A/C R-134A HIGH-/LOW-SIDE SERVICE PORT LEAK REPAIR KIT



Includes replacement caps for high- and low-side valves, plus a valve core tool to tighten loose cores. Fits all R-134a systems.
BK **765-4103**


Challenger Lifts
NAPA
BRAKE SERVICE

COOLANT SYSTEMS

Antifreeze Testers 429
Belt & Hose Tools 426-427
Coolant Exchangers 418
Coolant Flush Service Systems 418-419
Coolant Service Tools 425
Cooling System Bottle Adapters 423
Cooling System Cap Adapters 421-424
Cooling System Evacuation 421
Cooling System Refilling 421
Cooling System Testers 420
Fan Clutch Tools 428-429

ROBINAIR

COOLANT EXCHANGER



Increase Your Profits

- 10-minute exchange process – no more waiting for engine to warm up! Safety first.
- Our engine off feature removes pulleys, belts and fan blades from the safety equation
- No additional ventilation required
- Vacuum mode creates a push/pull exchange process allowing the technician to safely remove high pressure in a hot system
- Hands-off transfer of used coolant to a bulk tank prevents spills and helps protect the technician
- Simple to Operate
- Two clearly marked valves and an easy-to-read gauge make this machine very simple to use
- Sight glass clearly shows the amount of coolant in the waste tank
- One valve controls the flow of coolant; process is easy to understand – no special training needed
- No electricity required – 90 psi shop air drives the exchange process, as well as the 2 gpm pump on the waste tank

Specifications

Power Supply:.....90 psi shop air
Dimensions:.....47" H x 26" W x 33" D (119 cm x 66 cm x 84 cm)
Medium Step Adapter (2):.....fits hose size 1¼", 1⅜" and 1½"
Large Step Adapter (2):.....fits hose size 1¾", 2" and 2¼"

ROB **75700**



ROBINAIR

COOLANT & BATTERY REFRACTOMETER

This model can be used for measuring the freezing point of either propylene or ethylene glycol based cooling systems. It can also be used for checking the strength of electrolyte solution batteries. This precision instrument features high-quality optics with ultra smooth focusing. Scale range: 32° F to -60° F.

NTE **78-9107**



Flush Detergent Lubricant

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® COOLANTCLEAN™ COOLING SYSTEM SERVICE KIT

The radiator flush restores cooling system efficiency by removing rust, scale, and other contaminants. It is specifically designed for use with the Motorvac® CoolantClean™ machine as part of the overall coolant system maintenance. The Water Pump Lubricant and Rust Preventative is specifically formulated as the final stage of the overall coolant system maintenance. It contains rust and corrosion inhibitors which help to prevent radiator deposits that can cause clogging and overheating. Each kit contains one 8-oz. bottle of Flush Detergent and one 8-oz. bottle of Lubricant. 8 oz. bottles/qty. (6) two-part kits.

BK **827-2004**



MOTORVAC TECHNOLOGIES, INC.

BK **827-2004**

MOTORVAC® COOLANTCLEAN III™ PREMIUM COOLANT FLUSH SYSTEM



BK **397-1109**

- Complete coolant exchange in less than 15 minutes
- Static or dynamic fluid exchange
- One multi-function switch operation
- New On-Board Waste Tank has a 28 Quart Capacity
- Unique Vacuum Switch Allows for Cooling System Depressurization
- Includes one (1) Solution Starter Kit
- One Year Limited Warranty.
- Dimensions: 41" H. x 24" W. x 19" D.
- Shipping Weight: 85 lbs.

Specifications

Circuit Protection:.....15-Amp Circuit Breaker
Coolant/Vacuum Pumps (Low Pressure):.....76.8 GPH
Drain Hose:..... 6 Ft. Clear Braided w/Check Valve
Filter:.....External
Fluid Tanks Capacity:.....2-26 Qt.
Output/Return Hoses:.....4 Ft. w/Quick-Coupling
Power Cord:.....10 Ft./14-Gauge
Pressure Gauge:..... 30 PSI/2-Bar (2" Dia.)

Item No.	Description
BK **397-1109**	Premium Coolant Flush System
BK **700-3012**	Diagnostic Pads, Fluid (Pack/100)
BK **700-3013**	Diagnostic Strips, Fluid (Bottle/70)
BK **827-2004**	Service Kit, 2-Step Cooling System



MOTORVAC TECHNOLOGIES, INC.

BK **827-2004**

MOTORVAC® COOLANTCLEAN™ MCF 1000 COOLANT FLUSH SERVICE SYSTEM



BK **811-1132**

Fast, efficient system designed to exchange used cooling system coolant mixture in a few simple steps. CoolantClean™ 1000 can increase shop profits by performing basic fluid exchanges easily in just a few minutes. Quickly hooks up to shop air connection. Easy-to-use machine connects through radiator cap and does not require disconnection of hoses or time-consuming hook-ups to cooling system. Includes two-step service starter kit. One-year limited warranty.

Features

- Static fluid exchange
- Easy-to-use valves regulate system pressure and fluid evacuation
- Front panel controls all functions with pressure gauge and warning lights
- Air-powered pump
- Toll-free 1-800 number for technical support
- Prevents fluid spills for added safety and will not harm system
- Simple and durable components for longevity and convenience

BK **811-1132** Coolant Flush Service System
BK **827-2004** Two-Step Cooling System Service Kit, 6 pack

MAHLE



FluidPRO® MCX-2 SERIES MULTI-COOLANT SYSTEM FLUID EXCHANGERS

Provides simple, rapid switching from one coolant type to another.

- Compatible with all coolant types
- Visible fluid level indicators
- Automatic pump shut-off
- Drip-proof tank connectors
- 3-Minute service times
- 7.5 gal. new coolant tank (MCX)
- 15 gal. new coolant tank (MCX-2HD)
- 15 gal. waste coolant tank
- 92-98% single pass, average exchange for most vehicles

Specifications

Adapters ..... Step Adapters: Universal; 2 sets; 1¼ in. to 1¾ in. range (3.2 cm to 4.4 cm) diameter (MCX-2HD contains additional step adapters)
Hose Adapters: Universal; 2 hoses, 1¼ in. to 1⅜ in. (3.2 cm to 3.5 cm) and 1½ in. to 1¾ in. (3.8 cm to 4.4 cm) diameter (MCX-2HD contains additional adapter hoses)
Controls ..... Rocker switches
Coolant Exchange ..... 92 to 98% single pass, average exchange for most vehicles
Dimensions (H x W x D) ..... 45 in. x 38 in. x 22.5 in. (114 cm x 97 cm x 57 cm)
Fluid Tanks / Types ..... New Coolant Tank (2): 7.5 gal (28 liter); integrated output tube w/ debris filter screen and check valve; MCX- 2HD contains two 15 gal (57 liter) tanks
Waste Coolant Tank: 15 gal (57 liter); integrated input/output tube; w/ automatic empty fluid level sensor
Hoses ..... ⅜ in (9.5mm); quick connect/disconnect (brass; chrome sleeve; silicone sealed)
Operating Range ..... 32° to 122°F (0° to 50°C)
Power Source ..... 12 VDC - 15 Amp
Pressure Switch ..... 6 to 12 psi (0.4 to 0.8 bar); protects vehicle cooling systems from high pressure
Process Time ..... Less than 3 minutes average full exchange
Pumps ..... 2 gal. (7.9 liter) per minute Fill: Diaphragm Type / Drain: Impeller Type
Warranty ..... 1 Year–parts and labor
Weight ..... 170 lb. (77 kg)

Item No.	Description
RTI **4708003000**	MCX-2 Multi-Coolant Exchanger (Includes system pressure test feature and "hot car" radiator cap pressure release)
RTI **4708003100**	MCX-2F Multi-Coolant Exchanger (Includes flush bypass loop and flow indicator)
RTI **4708003200**	MCX-2HD Multi-Coolant Exchanger (Includes larger capacity fill tanks to MCX-2 plus larger step adapters)
RTI **3708001900**	MCX Accessory Kit (Includes hoses, step adapters, hose clamps and wand)
RTI **3708012300**	MCX-HD Adapter Set (Compatible with All MCX Series Units; 2 in., 2¼ in., 2½ in.)

FluidPRO® VCX SERIES VACUUM COOLANT EXCHANGERS

Maximize productivity

The choice for rapid coolant exchange. The simple, versatile design of the FluidPRO® VCX Series means better performance in high-demand coolant exchange applications.



The VCX Series Models Offer

- Extremely fast service cycles
- Simple hook-up and operation
- Flexible adaptation for most makes and models
- Superior exchange efficiency
- Robust design and construction
- Impressive visual appeal to help sell the service
- Control panel with easily adjustable process valves
- No-leak end cap design
- Large capacity coolant cylinder assemblies- 20 quarts each
- Easy coolant selection/changeover
- Service times 5-15 minutes
- Perfect for quick lube/oil change shops

Specifications

Adapters ..... 2 Cone plugs; 8 in. (20 cm) hose adapter
Controls ..... Ball valves w/ color-match system
Coolant Cylinders ..... 20 quart (18.9 liter) each
Dimensions (H x W x D)
VCX-1 ..... 63 in. x 28 in. x 22.5 in. (160 cm x 71 cm x 57 cm)
VCX-4 ..... 63 in. x 28 in. x 29 in. (160 cm x 71 cm x 74 cm)
Fluid Tanks / Types ..... Any coolant type (Fast easy changeover)
Hoses ..... Clear, wire reinforced 10 ft. (3m)
New Fluid Pump ..... Venturi vacuum generator; 28 in Hg (0.95 bar) maximum
Power Source ..... Shop air, 55 to 110 psi (3.8 to 7.6 bar)
Process Time ..... 5 to 15 minutes average
Warranty ..... 1 Year–parts & labor
Weight ..... VCX-1: 166 lb. (75 kg) / VCX-4: 200 lb. (91 kg)

Item No.	Description
RTI **4708001900**	VCX-1 (Two cylinder, one waste, one new)
RTI **4708002000**	VCX-4 (Four cylinder, one waste, three new)

Mityvac



COOLING SYSTEM PRESSURE TEST KIT

High quality, hand-operated pump builds pressure quickly to reveal internal/external cooling system leaks caused by blown head gaskets, cracked blocks, or damaged heads. Convenient push-button valve safely relieves pressure when testing is complete. Components connect using self-locking quick-disconnects for easy, time-saving assembly. Includes four adapters for connecting to the cooling systems of most US/Asian cars and light trucks. May also be used for cooling system cap pressure testing (additional adapters required). Packaged in custom-molded case with space for two additional adapters. Packaged Weight: 6.0 lbs. (2.7kg). Packaged Size: 17.9" (455mm) x 13.2" (335mm) x 4.8" (122mm). Max. Pressure: 30 psi (200 kPa).

BK **827-1217***

Contents

Qty.	Description
1	Hand Pressure Pump w/2' (610mm) long hose and push-button pressure relief valve
1	*BK* **700-2507** Cooling System Adapter (US/foreign cars)
1	*BK* **700-2508** Cooling System Adapter (Asian cars)
1	*BK* **700-2509** Cooling System Adapter (Asian cars)
1	*BK* **700-2510** Cooling System Adapter (US/foreign cars)
1	Cap Wrench
1	Custom Molded Case
1	User's Manual (English, French/Spanish)
1	Adapter Selection Guide (English/French/Spanish)

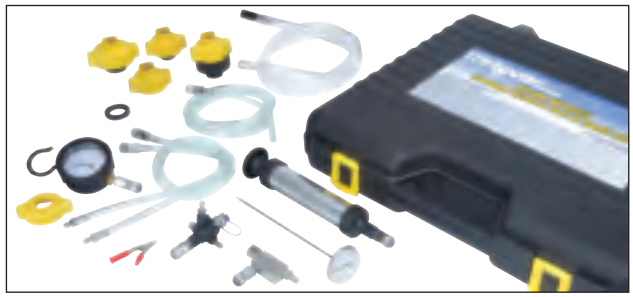
Additional adapters available for most car/light truck makes/models and for testing cooling system caps.



PROFESSIONAL-GRADE AUTOMOTIVE COOLING SYSTEM TEST KIT

Quickly pin points external leaks the most common cause of engine overheating and aids in diagnosing internal leaks caused by blown head gaskets or cracked block or head. Kit combines a high-quality pressure pump with Mityvac® universal cooling system adapter for quick, efficient and accurate testing without the need for costly application-specific adapters. Pump features a large capacity stroke to quickly reach peak pressure and includes a 2½" dia. gauge with easy-to-read, color-coded test level indicators. Includes: Hand Pressure Pump with 2½" Dia. Gauge and Push-Button Pressure Release Valve, Universal Radiator Test Adapter and Custom-Molded Case.

SER **MVA4534**



COOLING SYSTEM TEST & REFILL KIT

The first, and only, tester developed specifically to run complete cooling system diagnostics with the engine running at normal operating temperature and pressure. Patent-pending technology combines testing, monitoring of pressure, vacuum, and temperature simultaneously, providing real-time data far beyond the capabilities of a simple pressure tester. Tests cooling system with engine on or off to pinpoint leaks or diagnose blown head gaskets, cracked blocks, or damaged cylinder heads. Refills cooling system in minutes, without trapping air, which can cause overheating. Checks proper function of thermostat, cooling sensor, and fans. Can also test cooling system cap pressure (additional adapters required). Components feature self-locking quick-disconnects for easy, time-saving assembly. Safety valves prevent discharge of pressure and/or hot fluid in the case of accidental disconnect. Built-in valve allows rapid, safe release of pressure and fluid without waiting for the system to cool. Includes four adapters for connecting to the most common radiator and coolant bottle necks found on Domestic, Asian, and European automobiles. Packaged in custom-molded case with space for additional adapter.

Specifications

Packaged Weight: ..... 10.3 lbs. (4.7 kg)
Packaged Size: ..... 20.6" (525 mm) x 18.3" (465 mm) x 4.3" (110 mm)
Max. Pressure: ..... 30 psi (200 kPa)
Max. Temperature: ..... 400° F (200° C)
Vacuum: ..... 15 in. hg (51kPa) @ 60 psi (4.1 bar) inlet pressure
..... 24 in. hg (81kPa) @ 90 psi (6.2 bar) inlet pressure
..... 25 in. hg (81kPa) @ 120 psi (8.3 bar) inlet pressure
Air Inlet Size: ..... ¼" NPT

BK **821-5031**

Contents

Qty.	Description
1	Pressure Pump
1	2.5" (64mm) Diameter Diaphragm-Style Compound Gauge w/ Hanging Hook
1	Venturi Vacuum
1	Valve Coupler
1	Temperature Probe
1	2" x 30" (760mm) Extension Hose
1	5' (1.5m) Refill Hose
1	5' (1.5m) Drain Hose
1	Cap Wrench
1	Hose Clip
1	*BK* **700-2507** Cooling System Adapter (US/foreign cars)
1	*BK* **700-2508** Cooling System Adapter (Asian cars)
1	*BK* **700-2509** Cooling System Adapter (Asian cars)
1	*BK* **700-2510** Cooling System Adapter (US/foreign cars)
1	Custom-Molded Case
1	User's Manual (English/French/Spanish)
1	Adapter Selection Guide (English/French/Spanish)



AIRLIFT COOLANT REFILLING SYSTEM

Eliminates airlocks in vehicle cooling systems and refills in seconds. OEM approved. Refills the entire cooling system including the heater core. Eliminate time consuming bleeding and purging. Check for leaks while under vacuum. Contents: Unit, Cone, Valve, Adapters, Hose and Case.

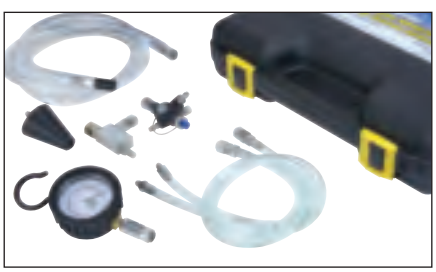
SER **77-1300**



AIRLIFT II (HEAVY-DUTY) COOLANT REFILLING SYSTEM

Award winning Airlift system for the HD market. Removes airlocks in HD cooling systems associated with trucks and buses. Unit creates a vacuum in the coolant system, refilling the entire system in seconds, including the heater core. Eliminates the time consuming process of refilling and bleeding cooling systems. It checks for leaks while under vacuum. Versatile cone adapter fits most systems. OEM approved by International Truck. It has extra long refill hose. 90 Degree angled gauge accommodates to fit tight applications. Contents: Unit, Gauge, Valve, Hose, Adapter and Case.

SER **77-1301**



COOLING SYSTEM AIR EVAC KIT

Refills automotive cooling systems in minutes, without trapping air, which can cause overheating. Combines universal adapter with compressed-air-operated venturi vacuum to quickly eliminate trapped air by purging and refilling the cooling system under vacuum. Universal adapter forms an airtight seal with all radiator and coolant bottle necks—No custom adapters are required. New, innovative design allows improved access to confined areas, and patent-pending valve coupler allows operator to test the cooling system for leaks prior to refilling. Components feature self-locking quick-disconnects for easy and time-saving assembly. Packaged in custom-molded case.

BK **827-5003**

Contents

Qty.	Description
1	2.5" (64mm) Diameter Diaphragm-Style Vacuum Gauge w/ Hanging Hook
1	Venturi Vacuum
1	Valve Coupler
1	Universal Cooling System Adapter
1	2" x 30" (760mm) Extension Hose
1	5' (1.5m) Refill Hose
1	Custom-Molded Case
1	User's Manual (English/French/Spanish)

Specifications

Packaged Weight: ..... 5.0 lbs. (2.3kg)
Packaged Size: ..... 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm)
Vacuum: ..... 15 in. Hg (51 kPa) @ 60 psi (4.1 bar) inlet pressure
..... 24 in. Hg (81 kPa) @ 90 psi (6.2 bar) inlet pressure
..... 25 in. Hg (81 kPa) @ 120 psi (8.3 bar) inlet pressure
Air Inlet Size: ..... 1/4" NPT



ASIAN/US CAP ADAPTER KIT

Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains four lightweight, easy-to-grip adapters for testing the proper function of radiator and coolant bottle caps on the vast majority of Asian/US cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. These cap adapters complement the system adapters included with kits *BK* **821-5031** and *BK* **827-1217**. The pump, included with *BK* **821-5031** or *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.1 lbs. (1.9kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 423 for specific application information.

BK **827-5004**

Contents

Qty.	Item No.	Description
1	*BK* **700-2522**	Bayonet Cap Adapter (US/foreign cars)
1	*BK* **700-2523**	Bayonet Cap Adapter (Asian cars)
1	*BK* **700-2524**	Bayonet Cap Adapter (Asian cars)
1	*BK* **700-2525**	Threaded Cap Adapter (US/foreign cars)
1	—	Custom-Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

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EUROPEAN SYSTEM ADAPTER KIT



Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, and eliminating airlock. Contains six lightweight, easy-to-grip cooling system adapters that expand the applications of test kits, *BK* **821-5031** and *BK* **827-1217**, to include a large number of European car/light truck makes and models. Each adapter is custom-designed to accurately duplicate the coolant bottle cap to ensure an airtight seal with the cooling system. Adapters use low-profile quick-connects to conveniently connect to test equipment. This kit contains adapters only, and requires additional equipment, included with *BK* **821-5031** and *BK* **827-1217**, to perform cooling system tests or refill functions. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive bayonet-style testers. Custom-molded case contains space for two additional adapters. Packaged Weight: 5.3 lbs. (2.4kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 423 for specific application information.

BK **827-1218**

Contents

Qty.	Item No.	Description
1	*BK* **700-2511**	Cooling System Adapter
1	*BK* **700-2512**	Cooling System Adapter
1	*BK* **700-2513**	Cooling System Adapter
1	*BK* **700-2515**	Cooling System Adapter
1	*BK* **700-2516**	Cooling System Adapter
1	*BK* **700-2520**	Cooling System Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

EUROPEAN CAP ADAPTER KIT



Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains six lightweight, easy-to-grip adapters for testing the proper function of the coolant bottle caps used on many European cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. The pump, included with *BK* **821-5031** and *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, MVA400, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for two additional adapters. Packaged Weight: 5.2 lbs. (2.4kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 423 for specific application information.

BK **827-1219**

Contents

Qty.	Item No.	Description
1	*BK* **700-2526**	Cooling System Cap Adapter
1	*BK* **700-2527**	Cooling System Cap Adapter
1	*BK* **700-2528**	Cooling System Cap Adapter
1	*BK* **700-2530**	Cooling System Cap Adapter
1	*BK* **700-2531**	Cooling System Cap Adapter
1	*BK* **700-2534**	Cooling System Cap Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

EXTENDED SYSTEM ADAPTER KIT



Adapts test equipment to a vehicle's radiator or coolant bottle for performing cooling system diagnostics, refilling, or eliminating airlock. Contains four lightweight, easy-to-grip cooling system adapters, which extend the applications of test kits *BK* **821-5031** and *BK* **827-1217**, to include additional makes/models of Asian/European/US cars and light trucks. Each adapter is custom-designed to accurately duplicate the coolant bottle cap, ensuring an airtight seal with the cooling system. Adapters conveniently connect to test equipment using low-profile quick-connects. Kit contains adapters only, and requires additional equipment, included with *BK* **821-5031** and *BK* **827-2536**, to perform cooling system tests or refill functions. Crossover adapter, *BK* **700-1217**, may be purchased to use these adapters with competitive, bayonet-style testers. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.6 lbs. (2.1kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 423 for specific application information.

BK **827-1220**

Contents

Qty.	Item No.	Description
1	*BK* **700-2514**	Cooling System Adapter
1	*BK* **700-2517**	Cooling System Adapter
1	*BK* **700-2518**	Cooling System Adapter
1	*BK* **700-2521**	Cooling System Adapter
1	—	Custom Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

EXTENDED CAP ADAPTER KIT



Tests the capability of cooling system caps to hold pressure and vent it at the proper level. Contains four lightweight, easy-to-grip adapters for testing the proper function of the coolant bottle caps used on additional makes/models of Asian/European/US cars and light trucks. Each adapter is custom-designed, ensuring an airtight seal with the cooling system cap. Adapters conveniently connect to pump using low-profile quick-connects. The pump, included with *BK* **821-5031** and *BK* **827-1217**, is required for pressure testing with these adapters. Crossover adapter, *BK* **700-2536**, may be purchased to use these adapters with competitive, bayonet-style pressure pumps. Custom-molded case contains space for four additional adapters. Packaged Weight: 4.5 lbs. (2.0kg). Packaged Size: 17.7" (450mm) x 12.8" (325mm) x 4.2" (107mm). See chart on page 423 for specific application information.

BK **827-1221**

Contents

Qty.	Item No.	Description
1	*BK* **700-2529**	Cooling System Cap Adapter
1	*BK* **700-2532**	Cooling System Cap Adapter
1	*BK* **700-2533**	Cooling System Cap Adapter
1	*BK* **700-2535**	Cooling System Cap Adapter
1	—	Custom-Molded Case
1	—	User's Manual (English/French/Spanish)
1	—	Adapter Selection Guide (English/French/Spanish)

mityvac

CROSSOVER ADAPTER
May be used with competitive, bayonet-style pressure pumps.
BK **700-2536**



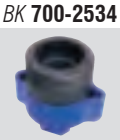
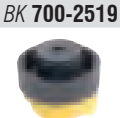
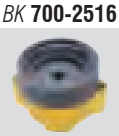
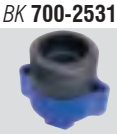
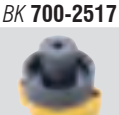
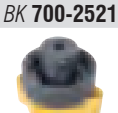
BA-STYLE RADIATOR & BAYONET-NECK COOLANT BOTTLE ADAPTERS

Description/Applications	System Adapter	Cap Adapter
Large bayonet-style used on most early model autos and many applications through current year.	 *BK* **700-2507**	 *BK* **700-2522**
Small bayonet applications w/16mm deep neck. Numerous applications, including many Asian autos.	 *BK* **700-2508**	 *BK* **700-2523**
Small bayonet applications w/9mm deep neck. Numerous applications, including many Asian autos.	 *BK* **700-2509**	 *BK* **700-2524**

IT-STYLE RADIATOR & INTERNAL THREAD COOLANT BOTTLE ADAPTERS

Description/Applications	System Adapter	Cap Adapter
1998-Later Audi/Volkswagen w/ internal thread on coolant bottle.	 *BK* **700-2515**	 *BK* **700-2530**
Toyota 2000-Later Celica/MR2 Spyder	 *BK* **700-2518**	 *BK* **700-2533**
1998-90 Volkswagen w/ internal thread on coolant bottle.	 *BK* **700-2513**	 *BK* **700-2528**

ET-STYLE RADIATOR & EXTERNAL THREAD COOLANT BOTTLE ADAPTERS

System Adapter Description/Applications	System Adapter	Cap Adapter
1993-75 Audi/Volkswagen 1975w/ external thread on coolant bottle.	 *BK* **700-2511**	 *BK* **700-2526**
Alfa Romeo 164/Freelander/Jeep/ LandRover/Mini/Peugeot 206-406/ Renault/Saab/Sterling/Volvo w/external thread on coolant bottle.	 *BK* **700-2512**	 *BK* **700-2527**
2002-98 BMW w/external thread on coolant bottle/1997-95 Land Rover-Range Rover.	 *BK* **700-2520**	 *BK* **700-2534**
1987-Earlier BMW/1989-87 Merkur-Scorpio.	 *BK* **700-2519**	 *BK* **700-2529**
2004-Later Chrysler Cross-fire/1996-Later Mercedes E-Class/ Mercedes(except M-Class) w/external thread on coolant bottle.	 *BK* **700-2516**	 *BK* **700-2531**
Daewoo/Ford/Jaguar/Mercury/Pontiac/ Porsche/Range Rover/Saab/Saturn.	 *BK* **700-2514**	 *BK* **700-2529**
Ford Escape, Focus/Jaguar XJ8, XK8/ Mazda Tribute.	 *BK* **700-2517**	 *BK* **700-2532**
Mazda 3	 *BK* **700-2521**	 *BK* **700-2535**
Numerous domestic applications, Especially early 1990s-Current GM. Also, some Ford, Jaguar, & Mercedes.	 *BK* **700-2510**	 *BK* **700-2525**

UNIVERSAL COOLING SYSTEM ADAPTER
Simple and quick to install in virtually any radiator or coolant reservoir neck. The rubber, step-and-cone design features a self-docking nested cam and internal restrictor that combine to provide a secure airtight seal with only a single rotation of the expansion knob. The unique adapter is fully self-contained (no component change is required) so there are no extra parts to maintain. Also, its compact size allows for convenient storage in a toolbox. Economical alternative to application-specific adapters. Fits pressure pumps with a common radiator neck-style connection. Replaces more than 20 individual adapters used to pressure test the cooling systems on cars, vans and light and heavy-duty trucks.
SER **MV4508**



Stant

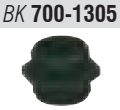
STANT® COOLING SYSTEM & PRESSURE CAP TESTER



Large, color-coded dial makes it easy to accurately test current vehicles with high-pressure cooling systems and pressure caps up to 30 pounds. Includes cap testing pressure ranges of 17-19, 20, and 28-30 lbs. When turned clockwise, pressure release bar releases pressure buildup before removing head from neck. Comes in its own plastic case with one spacer for testing one-inch deep filter necks, one cap, and adapter to check 3/4" deep caps.

Item No.	Description
BK **700-3025**	Cooling System & Pressure Cap Tester
BK **700-3027**	Replacement Gauge 30 lb.
BK **700-3028**	Replacement Gauge Head Repair Kit
BK **700-9510**	Replacement Knob
BK **700-9511**	Replacement Cup
BK **700-9512**	Replacement Check Valve
BK **700-9518**	Replacement Hose & Head Kit
BK **700-9519**	Replacement Head Repair Kit
BK **700-9520**	Replacement Spacer

STANT® COOLING SYSTEM & PRESSURE CAP TEST ADAPTERS

Application/Description	Item No.
Acura/Chevrolet/Chrysler/Dodge/Eagle/Ford/Ford Truck/Geo/Honda/Hyundai/Infiniti/Isuzu/Kia/Lexus/Mazda/Mercury/Mitsubishi/Nissan/Plymouth/Subaru/Suzuki/Toyota: Cap adapter required for testing small diameter(45mm O.D.) radiator caps used on many late model cars.	 *BK* **700-1299**
Acura/Chevrolet/Chrysler/Dodge/Eagle/Ford/Ford Truck/Geo/Honda/Hyundai/Infiniti/Isuzu/Kia/Lexus/Mazda/Mercury/Mitsubishi/Nissan/Plymouth/Subaru/Suzuki/Toyota: Adapter required for testing all small diameter(32mm I.D./16mm deep) applications.	 *BK* **700-3033**
Acura/Chevrolet/Dodge/Eagle/Geo/Honda/Isuzu/Lexus/Mitsubishi/Plymouth/Suzuki/Toyota: Cap adapter required for testing small diameter (44mm O.D.) radiator caps on many late model cars.	 *BK* **700-3030**
Acura/Chevrolet/Dodge/Eagle/Geo/Honda/Isuzu/Lexus/Mitsubishi/Plymouth/Suzuki/Toyota: Adapter required for testing all small diameter (31mm I.D./10mm deep) cooling system filler neck applications.	 *BK* **700-3031**
Audi/Porsche/Volkswagen: Threaded adapter required to fit late model Audi/Porsche/Volkswagen cooling systems with threaded filler necks. Thread Specs: M 48 x 3.	 *BK* **700-1305**
Audi/Porsche/Volkswagen: Threaded adapter used with 12016 adapter for testing late model Audi/Porsche/Volkswagen threaded radiator caps. Thread Specs: M 48 x 3.	 *BK* **700-1306**
BMW/Merkur: Threaded adapter required to fit early1980s BMW & Merkur cooling systems w/threaded filler neck on the expansion tank. Thread Specs: M 52 x 4.	 *BK* **700-1309**
Buick/Chevrolet/Oldsmobile/Pontiac: For use with tester, *BK* **700-3025**, to check 3/4" deep caps.	 *BK* **700-1297**

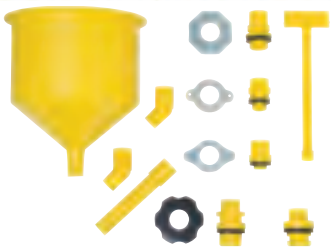
Application/Description	Item No.
Cadillac/Daewoo/Jaguar/Pontiac/Saab/Saturn: Threaded adapter required for testing threaded cooling system filler necks Thread Specifications: M 52 x 3.	 *BK* **700-3029**
GM N Body/Ford/Saturn: Threaded adapter required for testing cooling systems on GM N body & Saturn cars, as well as most Ford cars and trucks.	 *BK* **700-3032**
GM X Cars: Rubber gasket for use with 12453 GM adapter kit when checking GM X cars with 1.8L and 2.0L engines. The 12452 is available for replacement or for those already owning a 12450 truck adapter kit.	 *BK* **700-9506**
GM X & J Cars: The complete separate kit for testing GM X cars with 2.5L engines and J cars with 1.8L or 2.0L engines. Kit includes: 12452 rubber gasket and B size filler neck adapter from the 12450 truck adapter kit. Fits most Buick/Chevrolet/Oldsmobile/Pontiac.	 *BK* **700-1307**
GMC/White Trucks: Threaded adapter required to fit some White/GMC trucks w/threaded, 2 1/2" diameter filler necks.	 *BK* **700-1302**
Jeep/Renault/Saab/Volvo: Threaded adapter required to fit all Volvo, Saab, late-model Jeeps, and many Renault cooling systems with a threaded filler neck on the expansion tank. Thread Specs: M 43. 2 x 3.	 *BK* **700-1308**
Trucks: Truck adapter kit includes two solid die-cast, chrome-plated cap and radiator adapters, and one 7/8" plug. Fits all popular trucks with large diameter (2 11/16" O.D., B size) filler necks.	 *BK* **700-1301**
Trucks: Rubber plug for truck cooling systems is 7/8" thick and can be ordered separately from truck adapter kit, *BK* **700-1301**.	 *BK* **700-9517**

STANT® COOLING SYSTEM & PRESSURE CAP CONVERSION KIT

Allows you to update discontinued *BK* **700-1129** to the 30-pound tester, *BK* **700-3025**.
Kit includes 30-pound gauge and hose/head assembly with pressure-release bar and 30-pound spring.
BK **700-3026**



SPILL-FREE FUNNEL KIT



Eliminates trapped air pockets that cause erratic cooling system and heater performance. Control proper amount of coolant entering system and enables unattended filling. New E-adapter designed for use on surge tanks of many Ford applications while 45-degree elbow is designed for caps placed at an angle. Extension allows access to caps located under shrouds or in fender wells.

SER **24680**

Contents

Qty.	Description	Qty.	Description
1	Funnel	1	Threaded cap
2	Elbow	1	Threaded adapter w/gasket
1	Fluid stopper	1	45-Degree elbow
3	Caps	1	5" Extension
3	Adapters w/gaskets	1	E-adapter

RADIATOR FILLER



Tough polyethylene will not damage automobile finishes. 2.5-gallon filler is impervious to gas, oil, anti-freeze and temperature extremes.

BK **823-1036**

COOLING SYSTEM & CAP PRESSURE TEST KIT



Universal cooling system pressure tester features inflatable bladder to attach to radiator or header tank for system testing. Includes pressure pump assembly, extensions, drain hose, radiator cap testers and blow mold case.

SER **3700**

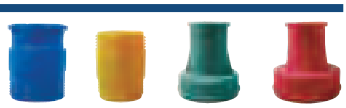
COOLING SYSTEM PRESSURE TESTER



Universal cooling system pressure tester features inflatable bladder to attach to radiator or header tank for system testing. Includes pressure pump assembly, extensions, drain hose and blow mold case. Suits radiator neck up to 1¾". Max pressure up to 30 psi.

SER **3582**

RADIATOR CAP TESTER



For standard GM, Ford, Chrysler, Japanese, Volkswagen and Audi. Allows cap relief pressure and seal condition testing. Includes four double-ended adapters. Use with Cooling System Pressure Tester (*SER* **3582**).

SER **3682**

BLADDER REPLACEMENT KIT



Replacement bladder for Cooling System Pressure Tester. Fits *SER* **3700** and *SER* **3582**.

SER **80003**

HAND HELD VACUUM





Complete kit for all vacuum testing and brake bleeding requirements. Includes brass piston bore vacuum pump, container, transfer cap, hoses, brake bleeder and hose fittings and a blow mold case.

SER **3683**

RADIATOR CHECK & FILL SYSTEM



Utilizes deep vacuum technology to eliminate airlocks during cooling system refilling and leak detection. Small and large rubber cones provide universal attachment to radiator or header tanks on passenger cars or commercial vehicles.

SER **3584**

UNIVERSAL RADIATOR ADAPTER



This handy adapter is compatible with all brands of radiator pressure testers and reservoir tanks. Plus, it offers 90% application coverage on cars/light trucks. This one product can save you hundreds of dollars by replacing up to 25 other application-specific adapters. Requires minimal set-up time, and can be easily serviced when necessary. Durably-constructed, hard-body adapter does not require inflation or conditioning.

BK **700-2431**

WATER BIBB COCK



For attaching to water service hose. Thumb-action trigger offers ease of operation, and built-in strainer filters out contaminants. Inlet: ¼ inch NPT female.

BK **715-1394**

FORD AEROSTAR HEATER HOSE TOOL



Tool is used to remove heater hose from heater core tube without damaging coupling, retainer or hose. Fits Ford 1986 to present Aerostar vans with ⅝" and ¾" heater hoses and quick connect couplings. Extension handle allows for easy access to coupling.

CAUTION: Do not use when engine is hot.

SER **3409**

OTC



FORD AEROSTAR HEATER HOSE DISCONNECT TOOL SET
Quickly and easily removes heater hose from core tube without damaging coupling retainer, or hose. Includes heater hose disconnect tools for 5/8- and 3/4-inch hoses with quick-connect couplings at heater core. Extension handle enables easier access. For 1997-86 Ford Aerostar vans.

BK **700-1999**



LARGE RUBBER HOSE CUTTERS
The large rubber hose cutters works on large rubber radiator hoses and quick clean cuts. The razor sharp blade can be re-sharpened and the handle is designed to trap and hold the hose for a straight line cut. Patent Pending.

SER **3550**



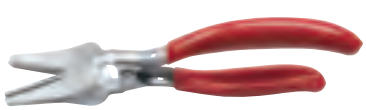
HOSE CUTTER
Cleanly cuts heater hoses, fuel lines, and many other types of flexible hoses up to 1 1/4-inch. Glass-filled nylon with stainless steel, reversible blade for strength and durability.

SER **77-4033**



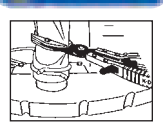
VACUUM HOSE PINCHER SET
A quick, easy way to pinch off vacuum or fuel lines without inflicting damage. One pair.

SER **77-4002**



HOSE PUSH OFF PLIERS
Allows easy removal of rubber hoses from pressed on fittings for 3/16" to 1/2" OD hoses. Ribbed surface digs into steel tube for added grip to push off rubber hose.

SER **3971**





HOSE PINCH-OFF PLIERS
Pliers eliminate the need to drain cooling system when servicing. Pliers squeeze hoses shut and jaws swivel for parallel clamping. Pliers include automatic locking ratchet. Tool can be used to pinch off some emission system hoses.

CAUTION: Do not use on wire-reinforced hose

SER **145**



SER **3791**



SER **3792**



SER **3793**

HOSE PINCH-OFF PLIERS
Squeeze with Ease!

Features

- Ideal for use on radiator hoses, heater hoses, water, air, vacuum and fuel lines
- Made from high carbon heat treated steel for extended life
- Hardened steel pivots for lifetime service
- Extra long cushioned hand grips for comfort and control
- Patented clamping mechanism locks automatically — no screws or levers to set or adjust
- Black oxide coated to resist rust and corrosion

Item No.	Description	Length	Weight
SER **3791**	Mini Hose Pinch-Off Pliers 3/4" OD capacity	5.50"	4 oz.
SER **3792**	Hose Pinch-Off Pliers 1 1/4" OD capacity	9.25"	12 oz.
SER **3793**	Hose Pinch-Off Pliers 2 1/2" OD capacity	14"	20 oz.



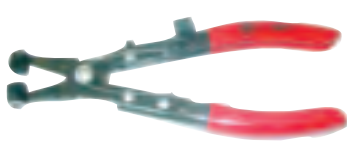
ANGLED STRAIGHT HOSE CLAMP PLIERS
For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features: Improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3977**



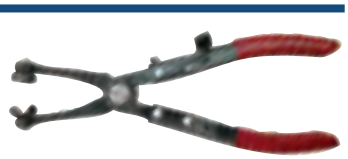
LARGE HOSE CLAMP PLIERS
Flat band pliers are designed for the removal and installation of flat-type hose clamps. Pliers feature fine-tooth locking ratchet to latch pliers in position. Large size is perfect for heavy-duty jobs. Length: 14 3/4".

SER **3444**



CORBIN-STYLE HOSE CLAMP PLIERS
For Corbin (wire) style hose clamps. Tips trap and hold clamp and swivel for multiple angle access. Features: Improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3975**



STRAIGHT HOSE CLAMP PLIERS
For Corbin (wire) style hose clamps with flat ears. Tips trap and hold clamp and swivel for multiple angle access. Features: Improved strength, easier to use locking feature and new dual dipped grips for increased comfort.

SER **3976**



ANGLED HOSE CLAMP PLIERS
Use pliers to remove and install flat-type hose clamps in hidden and hard-to-reach areas. This tool is a variation of our popular Flat Band Hose Clamp Pliers and features 45° jaws with swivel tips to grip at any angle and pliers that latch securely in position.

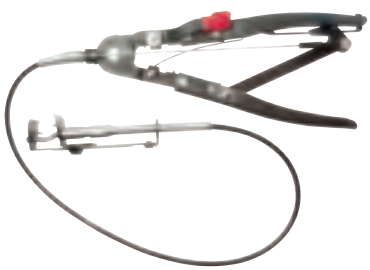
SER **3454**



FLAT BAND HOSE CLAMP PLIERS
Pliers remove and install newer-style flat band clamps used on various hose assemblies. Use pliers on Ford, GM and some imports.



SER **3252**



HOSE CLAMP PLIERS
Removes 1 1/16" to 2 1/2" dia plastic and metal self-tightening hose clamps. Extended reach, flexible cable and self locking clamps are perfect for hard to reach areas. Length: 33 1/2".

SER **77-3870**



UNIVERSAL PULLEY HOLDER WITH PINS
Holds both bolted-on and pressed-on pulleys found on many vehicles. Includes two-piece replacement bit set (*SER* **3901**) 5 x 8mm. Patented. Tool replaces *SER* **3471** Universal Pulley Holder.

SER **3900**



PULLEY HOLDER PIN SET
5 x 8mm Pin set for use with *SER* **3900** pulley holder for Chrysler pressed on pulleys.

SER **3901**



PULLEY HOLDER PIN SET
6 x 10mm, 7.5 x 18mm Pin set for pulleys and cam sprocket holding and adjustment.

SER **3902**



RATCHETING SERPENTINE BELT RELEASE TOOL KIT
Included crow's feet and sockets allow easy access. For use with K-D Tools Special Slimline Sockets.

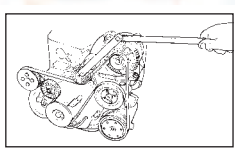
SER **3680**

Contents

Qty.	Description	Qty.	Description
1	Adapter, 3/8" Square	1	Gear Wrench, Serpentine
1	Adapter, 1/2" Square	1	Socket, 14mm 6 Pt.
1	Adapter, 3/4" Square	1	Socket, 15mm 6 Pt.
1	Case, Blow-Molded	1	Socket, 16mm 6 Pt.
1	Crow's Foot Wrench, 13mm	1	Socket, 17mm 6 Pt.
1	Crow's Foot Wrench, 14mm	1	Socket, 18mm 6 Pt.
1	Crow's Foot Wrench, 15mm	1	Socket, 19mm 6 Pt.
1	Extension Arm, 14" Comfort-Grip		



SERPENTINE BELT TOOL
Tool is used to release tension on Serpentine Belt Self-Adjusting Idler Pulley. Just push or pull to release tension. Exclusive Crow's Foot wrenches provide maximum coverage and access.



Item No.	Description	Fits
SER **3414**	Contains (1 of each): *SER* **3414-80**, *SER* **3414-81**, *SER* **3414-82***, *SER* **3414-83***, *SER* **3414-84***, *SER* **3414-85***, *SER* **3414-86*** and *SER* **3414-87***	
Replacement Parts		
SER **3414-80**	Long-Handle Wrench	Ford 1.9 and 2.3 L, GM 3.1 L
SER **3414-81**	Short Bar	Chrysler 2.5 & 3.0 L, Ford 4.6 L
SER **3414-82***	15mm 12-Point Socket	Ford 3.0 and 3.8 L, Chrysler 3.0, 3.3
SER **3414-83***	16mm 12-Point Socket	Ford 3.8 and 4.0 L
SER **3414-84***	18mm 12-Point Socket	GM3800
SER **3414-85***	13mm Crow's Foot	GM Quad Four Engine
SER **3414-86***	14mm Crow's Foot	Saturn Engine
SER **3414-87***	15mm Crow's Foot	Ford Windstar with 3.8 L Engine

**** 3/8" Drive Socket***

EVERCRAFT™



SERPENTINE BELT TOOL
Simply push or pull to release tension on serpentine belts with spring-loaded, self-adjusting idler pulleys. Fits idler pulleys requiring 15, 16 and 18mm, or 3/8" square drives. Also includes 13, 14 and 15mm crow's foot wrenches. Length: 23".

BK **776-9078**



5 PC. FAN CLUTCH WRENCH SET

Removes and installs the fan clutch on many models when repairing or replacing water pump, timing chain or fan clutch. Includes pins for new pressed-on pulleys found in Chrysler and other domestic vehicles.

SER **41570**

Contents

Item No.	Description
SER **3903**	22mm Fan Clutch Wrench
SER **3136-76**	36mm Ford Fan Clutch Wrench
SER **3422**	40mm Ford Fan Clutch Wrench
—	47mm Ford Fan Clutch Wrench
SER **3904**	50 mm Ford Fan Clutch Wrench
SER **3900**	Universal Pulley Holder



FAN CLUTCH WRENCH SET

Set includes the universal pulley holder, small pin and fan clutch wrenches. Designed to remove and replace thermostatic fan assemblies while eliminating the need for various sized holding wrenches.

SER **3472**

Contents

Item No.	Description
SER **3136-76**	Ford Fan Clutch Wrench
SER **3422**	40 mm Ford Fan Clutch Wrench
SER **3900**	Universal Pulley Holder



FAN NUT WRENCHES

SER **3903** 22mm. Use for Ford 3.0L engines.
SER **3904** 50mm. Use for trucks & buses w/Ford Navistar engines.



48 MM FAN CLUTCH WRENCH

Use in conjunction with universal pulley holder to remove and replace the thermostatic fan assembly. Refer to factory service manual for torque specification and thread direction.

Item No.	Size	Drive Size
SER **3473**	48 mm	1/2"



36MM AND 48MM FAN CLUTCH WRENCH

Wrench works with most gas and diesel viscous fan clutches with either a 36 mm or 48 mm hex holding the viscous fan clutch to the water pump.

SER **95210**



DODGE/CHRYSLER/JEEP FAN CLUTCH WRENCH

This 3-pin fan clutch wrench has been developed to work on the 2009 and later 5.7 liter Hemi truck engine. Firmly engages the hard to reach holes on the conical shaped water pump pulley with long, reinforced pins it.

SER **10800**



FORD DIESEL 4-PIN FAN CLUTCH WRENCH

This tool is designed to aid the technician in removal of the fan clutch. It's pin design mates to the holes in the water pump pulley.

SER **10900**

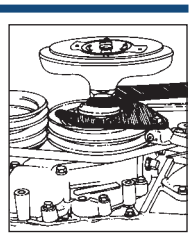


FORD DIESEL FAN CLUTCH WRENCH SET - 6.9-L & 7.3-L

Use set to remove and replace the thermostatic fan assembly on Ford 6.9- and 7.3-L engines. Use with 1/2" drive tools and a torque wrench. Refer to Ford factory service manual for torque specifications and thread direction. Wrench openings - Long: 48mm (1.889"), Short: 83mm (3.250").

SER **3296**





40MM FAN CLUTCH WRENCH

Wrench removes thermostatic fan assembly. Holds pulley while turning square shaft on fan clutch.

Item No.	Size	Drive Size	Length	Thickness
SER **3422**	40mm	1/2"	19.5"	.25"



UNIVERSAL FAN CLUTCH PULLEY HOLDING TOOL

This universal fan clutch wrench is used to hold "bolted on" water pump pulleys found on many Chrysler, Ford, GM, Land Rover, Mazda, Audi, BMW and VW applications.

SER **61600**



FAN CLUTCH HOLDING TOOL
Seventeen-inch fan clutch wrench designed for use on late model diesel engines without pulley bolts.

SER **99800A**



DOMESTIC FAN CLUTCH HOLDING TOOL
Seventeen-inch fan clutch wrench designed for use on domestic diesel engines with bolted on pulleys.

SER **61500B**





FAN CLUTCH HOLDING TOOL
Used to loosen and remove an oval or round holding nut. Length: 18".

SER **3951**







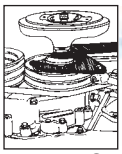
PNEUMATIC FAN CLUTCH WRENCH SET
Quickly removes and installs fan clutch for repairing the water pump or fan clutch. Works faster and easier than conventional fan clutch wrenches. No holding wrench is necessary. Set includes seven driving wrenches that fit Ford, GM, Chrysler and Jeep. Use with an air hammer. Includes blow molded case.

Contents

Handle Assembly, 32mm Driving Wrench, 36mm Driving Wrench, 1 7/8" Driving Wrench, 2" Driving Wrench, 7/8" Driving Wrench, 40mm Driving Wrench, and 47mm Driving Wrench

SER **77-4011**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools





FORD FAN CLUTCH WRENCH SET
Used to remove and replace the thermostatic fan assembly on Ford 4.9-L E and F series truck engines 1984 through 1993, Ford 4.6-L modular engines, 2.8-L engines 1984 through 1987, 2.9 to 3.0-L Engines, 1988 to current and 4.0-L engines 1990 to current. Use with 1/2" square drive tools and torque wrench. Refer to Ford factory service manual for torque specifications and thread direction. Wrench Openings - Long: 36mm (1.417"), Short: 58mm (2.283"). **CAUTION: Do not use with power tools.**

SER **3136** Set
SER **3136-76** Replacement Long Wrench 36mm



LONG HOSE ANTIFREEZE TESTER
Extra-long hose helps reach and draw up solution. Includes acid-proof scale and compensates for temperature variations. Includes a built-in thermometer and easy-to-read, lettered float.

SER **77-1126**



HAND-HELD ANTIFREEZE TESTER
Hand-held tester in plastic case features Fahrenheit and Celsius scale and tests freezing point to -34° F and boiling point to 227° F. Also tests rust inhibitor protection.

SER **77-1125**



DISC TYPE ANTIFREEZE TESTER
Easy-to-read discs are magnified by convex barrel, and a sixth disc shows when too much antifreeze has been added.

SER **77-1784**



EVERCRAFT™

ANTIFREEZE TESTER W/ POCKET PROTECTOR
Mini-size tester with floating balls for quick readings. Accurate to -40° F. Tests permanent type antifreeze with engine warm or cold.

BK **776-1024**



EVERCRAFT™

ANTIFREEZE TESTER W/ POCKET PROTECTOR & PLASTIC SHIELD
Mini-size tester with floating balls for quick readings. Accurate to -40° F. Tests permanent type antifreeze with engine warm or cold.

BK **776-1025**



EVERCRAFT™

ANTIFREEZE TESTER
Allows user to easily check vehicle antifreeze and coolant.

BK **776-1026**


Challenger Lifts
NAPA
BRAKE SERVICE

FLUID MANAGEMENT

Automatic Transmission Fluid Exchangers 432-433
Brake Fluid Management 436
Differential Fluid Exchanger 432
Fluid Transfer Equipment 434-435
Fuel Management 436
Fuel System Cleaning Chemicals 436-437
Oil & Lubrication Fluid Management 434, 436
Power Steering Fluid Management 432-433

FluidPRO® + BOOST SERIES AUTOMOTIVE FLUID EXCHANGE SYSTEMS

FluidPRO® ATC Automatic Transmission Fluid Exchangers offer the complete package with the utmost accuracy during fluid exchange combined with multitasking to ensure the fastest service.

MAHLE

Features

- Fully automatic operation
- Precision fluid measurement to minimize technician input
- Electronic keypad
- Digital weight scale technology for accurate fluid exchange
- Logical intuitive command functions
- Transmission pressure diagnostics
- 'Dipstick' or 'Cooler' Mode Selector (ATX-3)
- Start Engine Indicator
- Automatic fluid level adjustment, plus or minus ½ qt. adjustments
- Color coded adapters for ease of use with determining vehicle application
- Average full exchange process time of 2 to 5 minutes; Dipstick mode 8 to 14 minutes
- Audible Process Indicators

Specifications



Adapters ..... Cooler line connection. Valved couplers for minimum spill. ..... Standard adapters for Ford, GM, Chrysler, & Universal (most Asian imports).
Controls ..... Microprocessor with digital keypad & light emitting diodes
Dimensions (H x W x D) ..... 45 in. x 28 in. x 26.5 in. (112 cm x 70 cm x 67 cm)
Fluid Tanks / Types ..... 26 quarts (24.6 liters) each for both new & used fluids / Multiple fluid capability
Hoses ..... 10 ft. (3 m) black & red (exchange); 8 ft. (2.5m) black (empty used tank) ..... ATX-3+Boost also includes 5 ft. (1.5m) clear, attached to 8 ft. (2.5m) black hose for dipstick mode.
New Fluid Pump ..... Positive displacement gear pump, 4 quarts (3.8 liters) per minute/includes diaphragm pump, ... 7.2 quarts (6.84 liters) per min. Diaphragm pump increases fluid suction rate in low-flow/ ..... temperature controlled transmission in both ATX-2+Boost & ATX-3+Boost units.
Operating Range ..... Cooler Mode: 32° to 122°F (0° to 50°C) Dipstick Mode: 42° to 122°F (5.5° to 50°C)
Power Source ..... 12 VDC - 10 Amp
Process Time ..... 3 to 6 minutes average full exchange. Dipstick Mode is available ..... on the ATX-3+Boost with 8 to 14 minutes* average full exchange.
Scale Accuracy ..... ±0.03% over usable range
Warranty ..... 1 Year–parts & labor
Weight ..... ATX-2+Boost: 242 lbs. (110 kg)/ATX-3+Boost: 244 lbs. (111 kg)

**** Based on 12 quart exchange***

Item No.	Description
RTI **4008000800**	ATX-2+Boost (Includes High Output Boost Pump)
RTI **4008000900**	ATX-3+Boost Automatic Transmission Fluid Exchanger (Includes Dipstick Service Mode)
RTI **4158001400**	ATX 2+Boost/PS Combo Power Steering/Transmission Unit (PSX-3 mounted on back of ATX 2 machine)
RTI **4158001900**	ATX 3+Boost/PS Combo Power Steering/Transmission Unit (PSX-3 mounted on back of ATX 3 machine)
RTI **3008004800**	ATX Adapter Set (Included standard with the ATX equipment)
RTI **3008004900**	Deluxe ATX Adapter Set (Includes many foreign car adapters)

FluidPRO® PSX AND DFX SERIES POWER STEERING/DIFFERENTIAL FLUID EXCHANGERS

FluidPRO® PSX-3

Power Steering Fluid Exchanger does the job of multiple machines, all in one.

- Compact design takes up less floor space
- PSX-3 can be affixed to back of ATX+ Boost Systems
- Multiple power steering fluid capability
- Automatic operation
- Service Times of 10 to 15 minutes
- 1 Gallon new / 1 Gallon used fluid tanks
- Dual process hoses

FluidPRO® DFX-1

Offers Differential Fluid Exchange Service with this fast, reliable and easy to operate machine.

- Service Times of 10 to 15 minutes
- Powerful pump moves heavy gear oil
- Easy service access-direct interface with differential
- Simple operation-just flip a switch and begin drain or fill

Specifications	PSX-3	DFX-1
Casters	360° swivel; locking	360° swivel; locking
Controls	Rocker switches	—
Dimensions (H x W x D)	45 in. x 22 in. x 21 in. (113 cm x 55 cm x 53 cm)	43 in. x 22 in. x 21 in. (109 cm x 56 cm x 53 cm)
Fluid Tank Capacities	1 gal (3.79 liter) clear PVC	1 gal (3.79 liter) clear PVC
Fluid Types	Multiple power steering fluid capability (75-90W through 85-140W)	All gear oils including synthetic
Hoses	3/8 in. (0.95 cm) clear PVC	3/8 in. (0.95 cm) clear PVC; 9.5 ft. (3 m) long
New/Used Fluid Pumps	Diaphragm type, 1 gal. (3.79 liter) per minute	Diaphragm type, 1 gal. (3.79 liter) per minute
Operating Range	32° to 122°F (0° to 50°C)	—
Power Source	12 VDC - 4 Amp	120 VAC - 0.7 Amp
Process Time	5 to 15 minutes average	10 to 15 minutes average
Warranty	1 Year–parts and labor	1 Year–parts and labor
Weight	48 lb. (22 kg)	54 lb. (25 kg)



Item No.	Description
RTI **4158001200**	PSX-3 Power Steering Fluid Exchanger w/Control Wand & Cart
RTI **4158001500**	PSX-3 Power Steering Fluid Exchanger w/Control Wand (Set up for either ATX-2 or ATX-3, cart not included)
RTI **4458000100**	DFX-1 Differential Fluid Exchanger

BK **397-1110**



MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® STEERCLEAN 1000™ POWER STEERING FLUSH SYSTEM

Performs complete power steering flush and fluid exchange in just five minutes. Services both pump reservoir and remote reservoir systems. Extra-long wand provides easy access to vehicle power steering fluid system. Operates on 12-volt DC. Includes cleaning solution starter kit. One-year warranty.

BK **827-2007**

BK **397-1110** Power Steering Flush System
BK **827-2007** SteerClean Power Steering Detergent Kit

ROBINAIR

TRANSMISSION FLUID EXCHANGER



Robinair's new transmission oil exchanger has the vehicle in and out of the service bay in less than 20 minutes! Our unique approach to exchanging fluid... through the transmission oil dipstick!

- No rusty fittings to break loose.
- Easy, convenient, and no damage to other engine components.
- Exchange oil in the pan before it passes through the transmission filter.
- It cannot be hooked up backwards. Three modes of operations dipstick only, cooler line or a combination of the two!
- Exchange accuracy approximately +/- 1/4 qt.
- 32-quart supply tank; 34-quart waste tank.
- Unprecedented one-tenth quart flow metering for adding or subtracting fluid from the pan.
- Complete set of cooler line adapters for most foreign and domestic vehicles.
- Works with all types of automatic transmission fluid.
- Integral performance designed hose and tool compartment with drain.
- Top-off feature. Add or subtract in 1/10 qt. increments.
- "Low Fluid Alarm" and "Indicator Light" to alert operator.
- "Drain Waste" feature automatically pumps used fluid from the machine into a waste oil container.
- "Drain Pan" feature drains the pan for easy filter replacement. No mess.

ROB **92500-NP**

BK **811-1143**



MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® TRANSTECH III™ ATF EXCHANGER

The easiest ATF exchanger ever made. Complete ATF exchange done in under 10 minutes. Diagnoses transmission systems, and replaces virtually 100% of the dirty ATF. Also features: Two 26-quart reservoirs, roto-molded cabinet, 15-amp circuit breaker protection, 10-foot/14-gauge, heavy-duty power leads and two pumps.

- One-touch electronic control
- Cooler line pressure gauge
- Quick, convenient pan drain feature and fluid add control
- Includes detergent starter pack
- One-year limited warranty

BK **700-3011**

Item No.	Description
BK **811-1143**	ATF Exchanger
BK **700-2378**	MV3 Gasoline Engine Cleaner (case of 12)
BK **700-2379**	MV4 Intake Cleaner (case of 12)
BK **827-2003**	CarbonClean™ Fuel System Cleaner, 32 oz. bottles (case of 4)
BK **700-3011**	TransTech™ Transmission System Service Kit (6 pack)

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® TRANSTECH IV ATF EXCHANGER WITH DIPSTICK MODE



ATF exchange service can be completed in just minutes. All the features and benefits of the BK **811-1143** with added Dipstick Mode. Dipstick Mode enables faster connection to vehicles with ATF dipsticks for faster overall service time. Features simple connection through transmission dipstick, technician-friendly controls, two on-board 26-quart capacity tanks, clean fluid tank, waste reservoir and easy access adapter tray.

BK **811-1350** TransTech IV ATF Exchanger with Dipstick Mode
BK **700-3011** TransTech™ Transmission System Service Kit (6 pack)

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® INDUSTRIAL TRANSTECH™ ATF EXCHANGER



Portable, complete transmission fluid exchanger for commercial applications. Replaces virtually 100% of dirty transmission fluid with a one-touch electronic control. Operates on 12- or 24-volt DC power. Also features an industrial-grade pumping system, two 72-quart (68 liter) reservoirs, one-touch electronic display, heavy-duty, 16-gauge steel cabinet, and audible low-fluid alarm and light. 15-foot long (4.6 m) service hoses with 3/4" (19mm) inner diameter. One-year limited warranty.

BK **392-2006**

BK **397-1104**



MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® OILCLEAN™ OIL FLUSH SERVICE CENTER

Complete oil flush service center. Dynamic flushing process cleans entire lubrication system. Large-capacity tank, (32 services for gasoline/16 services for diesel), and electronic, 0-30 minute adjustable timer. System works with both spin-on filters and canister-style assemblies. 18-foot (5.5m) power cord, 60-gallon (227 L) per hour low-pressure pump, 4-gallon (15.1 L) solution tank, 15-foot (4.6m) output hose, 3½" diameter (0–100 psi/0–16.9 bar) oil pressure gauge, 1½" diameter (0–60 psi/0–11 bar) line pressure gauge, 1½" diameter air discharge gauge and 5-micron canister filter. 10-amp circuit breaker protection/25-amp air compressor circuit breaker protection. 12-volt DC operation. Includes detergent starter kit. One-year limited warranty.

BK **827-2006**

Item No.	Description
BK **397-1104**	Oil Flush Service Center
BK **827-2006**	OilClean Service Kit, (4) one-gallon containers and (32) filters (bulk)
BK **827-2005**	OilClean Service Kit, (12) 16 oz. bottles and (12) filters (single use)

BK **397-1108**



MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® OILCLEAN 1000™ LUBRICATION FLUSHING SYSTEM

Dynamic flushing process cleans entire lubrication system. Includes adjustable 0–60 minute timed cycle with air-blast control to remove residual oil from pan. Works with spin-on and canister-style oil filter assemblies. Features low-pressure warning light and audible alarm, end-of-service alarm, patented spin-on adapters, and twin 15-foot input and output hoses with quick couplers. Powered by 12-volt DC. Includes cleaning solution starter kit. One-year limited warranty.

BK **827-2005**

Item No.	Description
BK **397-1108**	Lubrication Flushing System
BK **827-2006**	OilClean Service Kit, (4) one-gallon containers and (32) filters (bulk)
BK **827-2005**	OilClean Service Kit, (12) 16 oz. bottles and (12) filters (single use)

Mityvac

ATF REFILL SYSTEM



Kit includes 5' hose and 10 refill adapters to connect to Ford, Toyota, BMW, Honda, Nissan, VW, and Audi. Large 1.2-gallon capacity reservoir dispenses fluid under pressure for smooth flow. Features integrated safety and manual pressure relief valve.

SER **MV6410**

Mityvac

2.5 GAL. ATF REFILL SYSTEM



The ATF Refill System combines the fluid reservoir and lid with an integrated pressure pump and 10 ATF adapters for: Ford, Toyota, BMW, Honda, Nissan, VW, Audi, Mercedes and Volvo transmissions in order to fill or top-off sealed automatic transmissions. Includes a narrow 12" wand for dispensing fluids in tight areas and a convenient hanging hook. 5 Ft. fluid dispensing hose with flow control and auto-shutoff valves. Features a 2.5 gal. (10 liter) reservoir, which provides increased capacity over Mityvac® popular *SER* **MV6410** model, reducing the time a technician must spend refilling the reservoir on larger jobs. Includes: 2.5 gal. (10-liter) fluid reservoir, reservoir lid with integrated manual pump, pressure gauge, pressure relief valve, 5 ft. fluid dispensing hose with flow control and auto-shutoff valves. *SER* **MVA5800** ATF Refill Adapter Kit (includes ten adapters *SER* **MVA580** - *SER* **MVA589**), fluid dispensing wand and hanging hook.

SER **MV6412**

Mityvac

FORD POWER STEERING ADAPTER



Aids in eliminating trapped air from Ford power steering systems. Custom designed to fit late model Ford vehicles. Installs in place of the power steering reservoir cap. Designed for use with Mityvac® hand vacuum pump.

SER **MVA662**

Mityvac

RIGHT ANGLE ADAPTER



90° Barbed connector can be interchanged with the inline connector on *SER* **MVA661** and *SER* **MVA662** for applications with limited overhead.

SER **MVA665**

Mityvac

ATF FLUID DISPENSING ADAPTER KIT



Kit includes 10 refill adapters to fit Ford, Toyota, BMW, Honda, Nissan, VW, Audi and Mercedes transmissions. Includes custom molded storage case.

SER **MVA5800**

Mityvac



FLUID DISPENSING SYSTEM

Large 1.2-gallon capacity system allows fluid to be dispensed under pressure for smooth flow. Manual pump features 5' hose, dispensing wand and hanging hook. Utilizes push-to-connect style accessory connections.

SER **MV6400**

FLUID EVACUATOR KIT

Vacuum is created quickly and efficiently by manual pump operation, offering superior mobility by eliminating the need for electricity or compressed air. Ideal for draining fluids from reservoirs on boats, RVs, ATVs, snowmobiles, farm equipment, or motorcycles. Includes accessories for draining engine oil or transmission fluid directly through dipstick tubes. Other features include: Integrated 1.9-gallon (7.3 liter) capacity reservoir, large base with foot stabilizer, durable and chemical-resistant polyethylene construction, automatic overflow prevention, and quick-drain pour spout.

Contents

Fluid evacuator, dipstick tube (0.23" O.D. x 5' L./5.7mm x 1.5m), dipstick tube (0.26" O.D. x 5' L./6.6mm x 1.5m), main evacuation tube (0.41" O.D. x 5' L./10mm x 1.5m), tube adapters, and owner's manual (English/French/Spanish).



Specifications

Reservoir Capacity: ..... 1.9 Gal. (7.3 L.)
Max. Operating Temp.: ..... 175° F (80° C)
Packaged Weight: ..... 7.5 lbs. (3.4 kg)
Dimensions (In.): ..... 25 H. x 7.5 dia.
Dimensions (mm): ..... 635 x 190

BK **700-2804**

PNEUMATIVAC FLUID EVACUATOR KIT

Operates on compressed air and creates a powerful venturi vacuum for draining fluids from tanks and reservoirs. Compressed air hose attaches at base for stability. Includes accessories for draining engine oil or transmission fluid directly through dipstick tubes. Also includes brake/clutch bleeding kit for vacuum bleeding hydraulic brake and clutch systems. Other features include: Integrated 2.3 gallon (8.8 liter) capacity reservoir, large base with foot stabilizer, durable and chemical resistant polyethylene construction, independent air shut-off valve, quiet and muffled exhaust, automatic overflow prevention and quick-drain pour spout.



Contents

Fluid evacuator, dipstick tube (0.23" O.D. x 5' L./5.7 mm x 1.5 m), main evacuation tube (0.26" O.D. x 5' L./6.6mm x 1.5 m), brake/clutch bleeding adapter kit, tube adapters, and user manual (English/French/Spanish).

Specifications

Reservoir Capacity: ..... 2.3 Gal. (8.8 L.)
Max. Operating Temp.: ..... 175° F (80° C)
Compressed Air Inlet Size: ..... 1/4" NPT
Packaged Weight: ..... 7.5 lbs. (3.4 kg)
Dimensions (In.): ..... 24 H. x 12.4 W. x 9.3 D.
Dimensions (mm): ..... 610 H. x 315 W. x 235 D.

BK **700-2803**

FLUID EVACUATOR PLUS



With the push of a button, this versatile unit changes from vacuum to pressure for evacuating or dispensing fluids, making it ideal for draining tanks or reservoirs, then pumping the used fluid back out for easy disposal. Multiple units work great! Simply evacuate used fluids with one unit, then quickly refill with new fluid from a second. Manual pump means compressed air or electricity is not required, which offers superior mobility. Accessories are included for draining engine oil or transmission fluid directly through dipstick tubes. Evacuates or dispenses with the push of a button. Convenient manual pump operation with integrated 2.3-gallon capacity reservoir. Other features include large foot base with stabilizer, durable and chemical-resistant polyethylene construction, automatic overflow prevention, and quick-drain pour spout.

Contents

Fluid evacuator/dispenser, 0.23" O.D. x 5' L. (5.7mm x 1.5m) dipstick tube, 0.26" O.D. x 5' L. (6.6mm x 1.5m) dipstick tube, 0.41" O.D. x 5' L. (10 mm x 1.5m) main evacuation tube, tube adapters, and owner's manual (English/French/Spanish).

Specifications

Reservoir Capacity: ..... 2.3 Gal. (8.8 L.)
Max. Operating Temp: ..... 175° F (80° C)
Packaged Weight: ..... 10 lbs. (4.5 kg)
Dimensions (In.): ..... 24 H. x 12.4 W. x 9.3 D.
Dimensions (mm): ..... 610 x 315 x 235

BK **700-2802**



FLUID EXTRACTOR

Operates using a simple syringe action to quickly and cleanly extract or dispense fluids into or out of small reservoirs with up to 7 oz. (200 cc) fluid capacity. Ideal for removing used fluids from master cylinders, transaxles, power steering and coolant reservoirs prior to bleeding, fluid changes or repairs. The extractor is lightweight and easy to clean. Features a 71.2". (190mm) long flexible tube for accessing reservoirs and a non-drip cap.

SER **MVA6851**



BRAKE BLEED CONVERSION KIT

Quickly connects to models *BK* **700-2802**, *BK* **700-2803** and *BK* **700-2804** fluid evacuators, converting them into one-person vacuum brake or hydraulic clutch bleeders. The kit contains a vacuum bleed tube with brass ball valve, universal bleed screw adapter, and adapter for connecting to the evacuator.

Specifications

Weight: ..... 9.3 oz. (265 g)
Size: ..... 8 in. x 12 in. x 1 1/2 in. (150mm x 305mm x 65mm)

BK **700-2807**

JohnDow Industries
Performance, Reliability, Commitment.

FLUID/OIL EVACUATOR



Extract used oil or other fluids from any vehicle with this vacuum-extraction system. Great for use on cars, boats, motorcycles, and small engines. Vacuum-charged unit is completely portable and easy to use. Includes five suction probes (metal and flexible plastic with storage tube) equipped with quick-disconnect couplers for fluid extraction from dipstick and/or other opening. Also features: easy-to-read vacuum gauge, 7" wheels for easy handling, and sight tube for viewing fluid level. Adapters for BMW, Mercedes, and VW are also included. Self-evacuating features make emptying clean and easy. Steel tanks: Evacuation hose: 10 feet. 20-Gallon tank on 3-inch casters.

BK **395-2122**

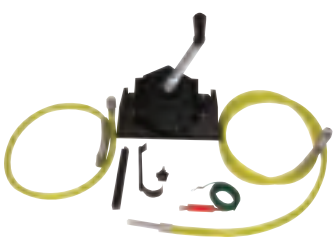
25 GALLON FUEL CART



UN/DOT and Transport Canada Approved to safely store, transport and transfer fuel. Ideal for landscape, marine, commercial and recreation applications. Can be used in it's original gravity-flow form or heavy-duty two-way rotary pump kit *BK* **825-505** (not included) can easily be added to fill fuel powered equipment when gravity won't work. Made from high molecular weight, high-density polyethylene (HMW-HDPE), making it resistant to corrosion or denting. 10" HD pneumatic tires / wheels. 10 feet of ¾" dispensing hose. Spring-loaded dispensing nozzle. 41 lbs weight. 2-gpm gravity flow fueling capacity.
Unit Dimensions are 43" H x 22" w x 17" D.
Fluid capacity: 25-Gal.

BK **811-1135**

TWO-WAY ROTARY PUMP KIT FOR 25 GALLON FUEL CART



Allows for pump assisted fueling when gravity flow is not an option. Two-way operation for dispensing or siphoning, heavy-duty cast iron design. Pumps one gallon per 13 revolutions, carbon graphite vanes. Comes with transfer pump and 8' hose assembly. Use with Gasoline, Kerosene, and Diesel fuel types.

BK **825-5051**

JohnDow Industries
Performance, Reliability, Commitment.

25-GALLON FUEL TRANSFER CADDY



Safe and easy-to-use, two-way rotary pump for fuel siphoning or dispensing. Features UL Listed two-way rebuildable rotary hand pump, fill gauge, ground wire with clamp, fire-screened vent/filler combination and dolly handle for ease of movement. Ideal for draining fuel tanks before repairs or removal. Complies with OSHA approved guidelines, the only certified, UL Listed Gas Caddy in North America.

BK **392-1704**

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® BRAKEVAC II



The BrakeVac® II brake bleeder machine is a simple, user friendly and efficient way to flush and bleed today's high tech brake systems. This system can complete a full brake system flush using pressure and vacuum simultaneously in 10 minutes with only one operator thereby lowering labor costs and maximizing profits.

BK **811-1351**

OIL EVACUATION SYSTEM



Portable fluid evacuation for automotive, heavy-duty and industrial purposes. Includes container, suction hose with tap, brake bleeder hose and suction hoses. 130 psi max with up to 6 L per minute. Air Connection Size: 1/4" BSP. Tank Capacity: 1.8 gal.

SER **3575**

MOTORVAC TECHNOLOGIES, INC.

TRANSMISSION FLUID EXCHANGER CLEANING KIT



Specially-formulated Automatic Transmission Fluid Conditioner extends transmission life by keeping seals pliable, and reducing the possibility of leakage. Also reduces fluid oxidation and heat-related breakdowns. Suspends and flushes harmful varnish, sludge, and contaminants from the transmission system, torque converter, pump, and ATF cooler/fluid lines. Quiets and smooths shifting. Each kit includes one bottle of ATF Cleaner and one bottle of ATF Conditioner.

BK **700-3011** 8 fl. oz. (Case 6 Kits)

MOTORVAC TECHNOLOGIES, INC.

POWER STEERING DETERGENT KIT



Two-step service kit will safely flush, clean and condition the power steering system and help improve operational performance. Also help quiet noise and extend component life. The Power Steering Flush Detergent cleans all internal components, while Power Steering Fluid Conditioner removes varnish and sludge deposits that accumulate in the power steering system. Compatible with all domestic/foreign vehicle power steering systems. 1 Bottle of each.

BK **827-2007** 8 fl. oz. (Case 6 Kits)

MOTORVAC TECHNOLOGIES, INC.

MOTORVAC® MV3 GASOLINE ENGINE DETERGENT



Designed for use in MotorVac® CarbonClean™ equipment, MV3 is a proprietary gasoline engine detergent that can also be used in any other fuel system service requiring a fuel-cleaning mixture.

BK **700-2378** 8 fl. oz. (Case of 12)

MOTORVAC® AIR INTAKE DETERGENT

A proprietary detergent formula for de-coking intake plenums. Also cleans throttle plates and idle bypass circuits. The perfect replacement for any top engine application requirement.

BK **700-2379** 8 fl. oz. (Case of 12)



MOTORVAC® FUEL SYSTEM DETERGENT

Designed for use in MotorVac® CarbonClean™ equipment, this proprietary gasoline engine detergent can also be used in any other fuel system service requiring a fuel-cleaning mixture. De-cokes intake plenums and also cleans throttle plates and idle bypass circuits. The perfect replacement for any top engine application requirement.

BK **827-2003** 32 fl. oz. (Case of 4)



MOTORVAC® ENGINE SERVICE KITS

BK **827-2006**

For use with OilClean™ Lubrication Flush Service Center (*BK* **397-1104**).

BK **827-2006** (4) 1 gal. Containers/32 Filters
BK **827-2005** (12) 16 fl. oz. Bottles/12 Filters



MOTORVAC® DIESEL TUNE ENGINE DETERGENT

MV3D diesel detergent is specially formulated to address the tough conditions that exist inside diesel engines. Safely restores horsepower, lowers emissions and improves mileage.

BK **827-2000** 12 fl. oz. (Case/12)



FUEL INJECTOR CLEANING FLUID

A clean fuel injector means a cleaner running, more efficient engine with lower emissions. Inject-R Kleen is formulated specifically for cleaning and restoring injectors to their original spray pattern, while helping to prevent recurring problems. Reduces intake and port deposits. For use with canister-type Fuel Injector Cleaner (*BK* **700-2123**).

CAUTION: Not intended for use as a fuel additive. DO NOT pour into fuel tank.

BK **700-2121** 16 fl. oz.



UV DYE SMOKE SOLUTION

Oil refill for all NAPA® Evap testers. The only solution approved by Chrysler, Ford and GM. Will not harm the activated charcoal canister, purge valve, catalytic converters, O2 sensors, seals, or gaskets and will not void factory warranty.

BK **700-3124** 16 fl. oz.



MOTORVAC® FUEL SYSTEM CLEANER

Super concentrated detergent package rapidly cleans fuel system including injectors and intake valves. Exclusive Hydrobond Technology uses proprietary chemistry to "steam clean" combustion chamber deposits, revitalizing performance and restoring fuel economy. For use with any pressurized fuel cannister tool.

BK **827-2009** 16 oz.



MOTORVAC® MV5 FUEL SYSTEM CLEANER

Super concentrated detergent package rapidly cleans fuel system including injectors and intake valves. Exclusive Hydrobond Technology uses proprietary chemistry to "steam clean" combustion chamber deposits, revitalizing performance and restoring fuel economy. Works exclusively with the CarbonClean 1000 (*BK* **811-1145**).

BK **827-2008** 17 oz.



TRANSFER/STORAGE TANK FUEL FILTER

For Discontinued *BK* **809-5210**

Efficiently removes small particles and other contaminants from fuel. Effective for both gas and diesel.

BK **827-5550**




Challenger Lifts
NAPA
BRAKE SERVICE

SHOP EQUIPMENT

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BRIGGS & STRATTON® ELITE SERIES™ PORTABLE GENERATOR

10,000 Watts* / 12,500 Starting Surge*



- Briggs & Stratton Vanguard™ V-Twin OHV Engine, 570cc
- PowerSurge™ Alternator
  - Extra power allows you to start up several motor-driven items simultaneously
- Effortless Electric Start - Battery Included
- 7 gallon fuel tank
  - Provides up to 7 hours of continuous run time at 1/2 load
- Extra Large Muffler
- Seven Convenient Outlets
  - (2) 120V-20A household type GFCI
  - (1) 120V-20A locking type
  - (1) 120V-30A locking type
  - (1) 120/240V-30A locking type
  - (1) 120/240V-50A
  - (1) 12VDC-10A
- Automatic Idle Control
  - Saves fuel by idling down the engine when not in use
- Low Oil Protection
- Circuit Breaker Protection
  - Protects circuits from overload
- Spin on Oil Filter
  - For easy maintenance
- Pneumatic Wheel Kit Included
- Two-Year Limited Warranty***

GEN **030207**

BRIGGS & STRATTON® ELITE SERIES™ PORTABLE GENERATOR

8,000 Watts* / 10,000 Starting Surge*



- Briggs & Stratton 2100 Series™ OHV Engine, 420cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 7 Gallon metal fuel tank provides up to 9 hour run time @ 50% load
- Multi-featured control panel
  - (4) 120V-20A Household outlets
  - (1) 120V/240V-30A locking outlet
  - Rubber outlet covers & hour meter
- Key electric start for fast, effortless starting
- 12" Never go flat wheels
- 3-Year Limited Warranty***

GEN **030664**

BRIGGS & STRATTON® ELITE SERIES™ PORTABLE GENERATOR

7,000 Watts* / 8,750 Starting Surge*



- Briggs & Stratton 2100 Series™ OHV Engine, 420cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 7 Gallon metal fuel tank provides up to 8 hour run time @ 50% load
- Multi-featured control panel
  - (4) 120V-20A Household outlets GFCI
  - (1) 120V/240V-30A Locking outlet
  - Rubber outlet covers & hour meter
- Key electric start for fast, effortless starting
- 12" Never go flat wheels
- 3-Year Limited Warranty***

GEN **030663**

POWERBOSS® PORTABLE GENERATOR

5,250 Watts* / 7,000 Starting Surge*



- Briggs & Stratton PowerBuilt™ Series 389cc OHV Engine
- Low Oil Shutdown
- Power Surge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 5 Gallon metal fuel tank provides up to 7 hour run time @ 50% load
- Multi-featured control panel
- (4) 120V 20A Household outlets GFCI
- (1) 120V/240 30A Locking outlet
- Wheel Kit Included
- 2-Year Limited Warranty***

GEN **030660**

BRIGGS & STRATTON® PORTABLE GENERATOR

6,500 Watts* / 8,125 Starting Surge*



- Briggs & Stratton 2100 Series™ OHV Engine, 420cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 7.5 Gallon metal fuel tank provides up to 10.5 hour run time @ 50% load
- Multi-featured control panel
  - (6) 120V-20A Household outlets GFCI
  - (1) 120V/240V-30A Locking outlet
  - Rubber outlet covers & hour meter
- 10" Never go flat wheels
- 2-Year Limited Warranty***

GEN **030659**

BRIGGS & STRATTON® PORTABLE GENERATOR

5,500 Watts* / 8,250 Starting Surge*



- Briggs & Stratton 1650 Series™ OHV Engine, 420cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 7.5 Gallon metal fuel tank provides up to 11.5 hour run time @ 50% load
- Multi-featured control panel with rubber outlet covers
  - (6) 120V-20A Household outlets GFCI
  - (1) 120V/240V-30A Locking outlet
  - Rubber outlet covers & hour meter
- 10" Never go flat wheels
- 2-Year Limited Warranty***

GEN **030658**

**** Wattage rated in accordance with CSA and ANSI/PGMA standards.***
***** Starting Surge reflects the maximum current that can momentarily be supplied when starting a motor, multiplied by the generator's rated voltage.***
****** See briggsandstratton.com for full warranty details.***



BRIGGS & STRATTON® PORTABLE GENERATOR

5,000 Watts* / 6,250 Starting Surge*

- Briggs & Stratton 1450 Series™ OHV Engine, 306cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 7.5 Gallon metal fuel tank provides up to 13.5 hour run time @ 50% load
- Multi-featured control panel
  - (6) 120V-20A Household outlets GFCI
  - (1) 120V/240V-30A Locking outlet
  - Rubber outlet covers & hour meter
- Hour Meter
- 10" Never go flat wheels
- 2-Year Limited Warranty***

GEN **030657**



POWERBOSS® PORTABLE GENERATOR

3,500 Watts* / 5,250 Starting Surge*

- Briggs & Stratton PowerBuilt™ Series 196cc OHV Engine
- For long life, high performance and great fuel efficiency
- Low Oil Shutdown
- Power Surge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 3 Gallon metal fuel tank provides up to 8 hour run time @ 50% load
- Multi-featured control panel
- (4) 120V 20A Household outlets
- (1) 120V RV Outlet
- Wheel Kit optional
- 2-Year Limited Warranty***

GEN **030667**



BRIGGS & STRATTON® PORTABLE GENERATOR

3,500 Watts* / 4,375 Starting Surge*

- Briggs & Stratton 1150 Series™ OHV Engine, 250cc
- PowerSurge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 4 gallon metal fuel tank provides up to 12 hour run time @ 50% load
- Multi-featured control panel
  - (4) 120V-20A Household outlets
  - (1) 120V/240V-20A Locking outlet
- Rubber outlet covers
- 7" Never go flat wheels
- 2-Year Limited Warranty***

GEN **030547**



POWERBOSS® PORTABLE GENERATOR

2,500 Watts* / 3,500 Starting Surge*

- Briggs & Stratton PowerBuilt™ Series196cc OHV Engine
- For long life, high performance and great fuel efficiency
- Low Oil Shutdown
- Power Surge™ Alternator
  - Produces the power needed to start and keep appliances and tools running
- 3 Gallon metal fuel tank provides up to 10 hour run time @ 50% load
- Multi-featured control panel
- (4) 120V-20A Household outlets
- Compact design for easy portability
- 2-Year Limited Warranty***

GEN **030628**

**** Wattage rated in accordance with CSA and ANSI/PGMA standards.***
***** Starting Surge reflects the maximum current that can momentarily be supplied when starting a motor, multiplied by the generator's rated voltage.***
****** See briggsandstratton.com for full warranty details.***



12,000 WATTS PORTABLE GAS GENERATOR

- 12,000 max watt output
- 9,500 running watt output

Receptacles

- 2 x 120V 20A duplex
- 1 x 120V 30A twistlock
- 1 x 120V/240V 30A twistlock
- 1 x 120V/240V 50A twistlock
- 12V DC 8.3A

Benefits

- Electric start
- Low oil shutdown
- 8" wheel kit

BEP **BE-12000ER**



9,000 WATTS PORTABLE GAS GENERATOR

- 9,000 max watt output
- 7,100 running watt output

Receptacles

- 6 x 120V GFCI
- 1 x 120V twistlock
- 1 x 240V twistlock
- 12V DC

Benefits

- Electric start
- Low oil shutdown
- 8" wheel kit
- AVR

BEP **BE-9000ERUSC**

6,800 WATTS PORTABLE GAS GENERATOR

- 6,800 max watt output
- 5,800 running watt output

Receptacles

- 2 x 120V 20A duplex
- 1 x 120V twistlock
- 1 x 240V twistlock
- 12V DC 8.3A

Benefits

- Electric start
- Oil alert
- 8" wheel kit
- AVR



BEP **BE-6800HER**

6,500 WATTS PORTABLE GAS GENERATOR

- 6,500 max watt output
- 5,500 running watt output

Receptacles

- 4 x 120V GFCI
- 1 x 120V twistlock
- 1 x 240V twistlock
- 12V DC

Benefits

- Electric start
- Low oil shutdown
- 8" wheel kit
- AVR



BEP **BE-6500ERUSC**

6,500 WATT PORTABLE GAS GENERATOR

- 5,800 Running Watt Output
- 6,500 Max Watt Output

Receptacles:

- 2 x 120V 20A Duplex
- 1 x 120V 30A Twistlock
- 1 x 120/240V Twistlock

Benefits

- Recoil start
- Low oil Shutdown
- Automatic voltage regulator (AVR)
- Continuous amps (120v) 8.3a
- Fuel tank capacity: 25 l/ 6.6 gal.
- Run time per tank: 7h @ full load
- 8" Wheel kit (no flat wheels)
- Volt meter
- Fuel gauge
- Automatic idle down



BEP **BE-6500PRUSC**

3,500 WATTS PORTABLE GAS GENERATOR

- 3,500 Max Watt Output
- 2,800 Running Watt Output

Benefits

- 208cc OHV Engine
- Recoil Start
- Fuel Tank Capacity: 3.9 Gal (15L)
- Noise level: 70DB @7M
- Run Time @ full load : 9H

Receptacles

- 4 x 120V 20A Duplex
- 1 x 120V 24A Twistlock



BEP **BE-3500PS**

1,200 WATT PORTABLE GAS GENERATOR

- 1,200 max watt output
- 1,000 continuous watt output

Receptacles

- 1 x 120V 20A Duplex
- 12V DC 8.3A

Benefits

- Recoil start
- Continuous amps (120v) 8.3a
- Fuel Tank Capacity: 4.9 L/ 1.29 gal.
- No Wheel Kit
- Volt Meter
- Fuel Gauge
- Circuit Breakers
  - 1 x 10a 120v **push to reset
  - 1 x 10a dc **push to reset



BEP **BE-1200PRUSC**

BRIGGS & STRATTON® POWERSMART SERIES™ P2200 INVERTER GENERATOR

1,700 Watts* / 2,200 Starting Surge**

- Computer-Controlled Inverter Technology
  - Automatically adjusts engine speed to run quieter and reduce fuel consumption
- -Convenient Control Panel
  - (2) 120V • Household Outlets
  - (1) 12V DC Outlet
  - Includes USB Adapter
- Parallel Capable
- Two-person twin handle
- 2 Year Limited Warranty***



GEN **030651**

BRIGGS & STRATTON® POWERSMART™ SERIES P3000 INVERTER GENERATOR

2,600 Watts* / 3,000 Starting Surge**



- Computer-Controlled Inverter Technology
  - Automatically adjusts engine speed to run quieter and reduce fuel consumption
- Convenient control panel
  - (4) 120V, 20 Amp household outlets
  - 120/240V 30A RV Outlet
  - 12V DC outlet
  - USB outlet
  - LCD Display panel shows power usage, hours and maintenance reminders
- Parallel Capable
- 1.5 Gallon Fuel tank for up to 10 hours of run time at 1/4 load
- Fuel gauge
- Less Than 3% Harmonic Distortion - Safe for sensitive electronics
- Starts most 13,500 & 15,000 BTU RV AC Units
- Luggage style telescoping handle for easy maneuverability
- 6" Never-flat wheels
- 2- Year Limited Warranty***

GEN **030545**



BRIGGS & STRATTON® PARALLEL KIT

For** GEN **30545 or** GEN **30651 Inverters

Enabling you to connect two-P2200 or P3000 PowerSmart Series™ Inverter Generators together, the Parallel Kit gives you more continuous power to operate your RV air conditioner, lights, cell phone chargers, and other portable appliances at the same time.

- Allows for 4800W continuous when used with two P3000 inverters (*GEN* **030545**)
- 55" Connector Cords - For convenient connection to generators
- Snap-fit mount - For easy attachment to inverter generator
- Twist Lock Outlet 120V/30A - Allowing you to connect generator cords for additional outlets
- RV Outlet 120V/30A - To power RV appliances, lights, and electronics
- 2 - 30A Breakers - To prevent parallel kit overload

GEN **6278**

NAPA Air Compressors

GEYSER™ GT SERIES DIESEL-FIRED HOT WATER PRESSURE WASHERS

Geyser™ pressure washers are built for heavy-duty and industrial use and feature cold-water wrap and cool touch coil. Washers include 42" hand trigger, quick connect spray nozzles, 3/8" x 50' hose, and replaceable fuel filter. For a complete mobile wash system, order *NAC* **81-GT600** for skid units.



Features

- Built-in pulsation dampening
- Heavy-duty industrial oil bath crankcase pumps with ceramic plungers
- Heavy gauge steel construction
- Oil-fired burner operates on diesel, kerosene or #2 home heating oil
- Pressure relief valve located on coil inlet
- Heavy-duty, rust-resistant frame

Item No.	Description	PSI	GPM	Motor	Dimensions	Pump Amps	Drive	Weight
NAC **81-GT214**	Hot Water, 4 Wheel Pressure Washer	1,400	2.1	Electric - 2.3 HP - 115V	40" L x 30" W x 42" H	20	Direct	400 lbs.
NAC **81-GT320**	Hot Water, 4 Wheel Pressure Washer	2,000	3.0	Electric - 4 HP - 230V (Single Phase)	40" L x 30" W x 42" H	20	Direct	440 lbs.
NAC **81-GT325**	Hot Water, 4 Wheel Pressure Washer	3,000	2.9	Gas - 6.5 HP Briggs & Stratton	40" L x 30" W x 42" H	—	Direct	560 lbs.
NAC **81-GT445**	Hot Water Skid Unit for Trailer	4,000	4.0	Gas - 16 HP Vanguard	36" L x 43" W x 38" H	—	Belt	560 lbs.
NAC **81-GT535**	Hot Water Skid Unit for Trailer	3,000	3.0	Gas - 16 HP Vanguard	36" L x 43" W x 44" H	—	Belt	760 lbs.
NAC **81-GT3524**	Hot Water, 4 Wheel Pressure Washer	2,400	3.5	Electric - 6 HP - 230V (Single Phase)	40" L x 30" W x 46" H	25	Direct	490 lbs.
NAC **81-GT3030**	Hot Water, 4 Wheel Pressure Washer	3,000	3.0	Gas - 9 HP Briggs Vanguard	46" L x 33" W x 46" H	—	Direct	540 lbs.
NAC **81-GT3540**	Hot Water, 4 Wheel Pressure Washer	4,000	3.5	Gas - 14 HP Briggs Vanguard	46" L x 34" W x 46" H	—	Direct	550 lbs.

Air Compressors


NAC **81-4000**


NAC **81-4001**


NAC **81-4002**


NAC **81-4003**


NAC **81-4004**


NAC **81-4005**


NAC **81-4006**


NAC **81-4007**


NAC **81-4009**


NAC **81-4010**


NAC **81-4011**


NAC **81-4012**


NAC **81-4013**

GEYSER™ SERIES OPTIONAL ADD-ON ACCESSORIES

Available with Geyser™ pressure washers. Not sold separately.

Item No.	Description
NAC **81-4000**	High Temperature Coil
NAC **81-4001**	Stainless Steel Coil Wrapper
NAC **81-4002**	Temperature Control
NAC **81-4003**	13" Reel Hose
NAC **81-4004**	Turbo Nozzle
NAC **81-4005**	High Temperature Control Switch
NAC **81-4006**	Hour Meter
NAC **81-4007**	Electric Trailer Brakes
NAC **81-4009**	Spare Tire Carrier & Wheel
NAC **81-4010**	Detergent Rack
NAC **81-4011**	Lunette Eye Coupler
NAC **81-4012**	Bulldog Hitch
NAC **81-4013**	250° Wet Steam (requires *NAC* **81-4000**)


NAC **81-00693** *NAC* **81-00741B**

GEYSER™ SERIES REPLACEMENT SWITCHES

Item No.	Description
NAC **81-00741B**	Cam switch fits 115 Volt AC Geyser™ electric drive hot water mobile model *NAC* **81-GT214**. Three position cam type replacement pump/burner switch.
NAC **81-00743B**	Cam switch fits all Geyser™ electric drive 230 Volt AC hot water mobile models. Replacement pump/burner switch. Fits models *NAC* **81-GT320** and *NAC* **81-GT3524**.
NAC **81-00693**	Rocker switch fits all Geyser™ gas engine hot water mobile models. Rocker type. Replacement burner switch. Fits models *NAC* **81-GT325**, *NAC* **81-GT3030**, *NAC* **81-GT 3540** and *NAC* **81-GT4040**.

GEYSER™ GAS HOT WATER MOBILE PRESSURE WASHER UNIT



Dual lance wand allows you to go from low-pressure soap to high-pressure rinse from 50 feet away. Pulsation dampening accumulator reduces shock from built-up pressure and extends life of pump, motor and coil. Separate unloader adds durability, and lowers maintenance costs. 350,000 BTU's, 12 Volt DC. Convenient built-in wand holder. Rebuildable Triplex plunger oil bath pump. Electric Start. Quick-connect nozzle tips. Hose Length: 50' L.

Specifications

PSI: 4,000
GPM: 4
Motor: .....Gas – 14 HP Kohler
Units of Cleaning Power: 16,000
Dimensions: ..... 46" L x 32" W x 48" H
Weight: ..... 575 lbs.

NAC **81-GT4040**



NAC **81-GT 6445**

GEYSER™ HOT WATER TRAILER PRESSURE WASHER SYSTEMS

Pressure washer systems include *NAC* **81-GT600** and either *NAC* **81-GT445** or *NAC* **81-GT535** hot water pressure washer.

Item No.	Description
NAC **81-GT6445**	*NAC* **81-GT600** and *NAC* **81-GT445** Complete Washer & Trailer
NAC **81-GT6535**	*NAC* **81-GT600** and *NAC* **81-GT535** Complete Washer & Trailer



HOT WATER TRAILER SYSTEM

Tubular steel, welded construction frame trailer for use with hot water skid units. Features 2" trailer ball. Tank Capacity: 200 gal. Weight: 950 lbs.

NAC **81-GT600**



26 HP DIESEL HOT WATER PRESSURE WASHER

Diesel pressure washer features electric-start engine, 18-gallon fuel tank, and 158' x 1/2" continuously wound schedule 80 coil, triplex oil bath crankcase and belt-driven pump. Generator module produces up to 2,000 watts of electrical power when pressure washer is not in use. Available options include: temperature control, hour meter/tachometer and turbo nozzle. Requires minimum Group 24 – 600 CCA battery (not included).

Specifications

Burner: ..... 490,000 BTUs, 115v, High efficiency oil fired
Burner Fuel: ..... Diesel
Fuel Consumption: ..... 4.0 Gallons per hour – Continuous burn
Tank Capacity: ..... Dual 18-gallon corrosion-proof fuel tanks
Generator: ..... 2000 Watt
Coil: ..... 158', 1/2" ID, Schedule 80 cool touch coil, continuous wound
Temperature Rise: ..... 140° F
Wand: ..... 42" Hand trigger
Nozzles: ..... (4) Quick-change, color-coded spray nozzles
Hose: ..... 3/8" x 50'
Chemical: ..... High pressure precise metered chemical injection
Float Tank: ..... Stainless steel
Frame: ..... Heavy-duty powder-coated tubular steel
Dimensions: ..... 76" L x 46" W x 60" H
Shipping Weight: ..... 1,100 lbs.
Discharge Volume: ..... 5.2 GPM (Gallons Per Minute)
Operating Pressure: ..... 3,500 PSI
Motor: ..... 26 HP Lombardini electric start diesel engine
Pump: ..... Belt drive, triplex oil bath crankcase, ceramic plunger

NAC **81-GT535D**

Air Compressors

3,500 PSI HOT WATER GAS PRESSURE WASHER



Professional grade washer features direct drive triplex piston AR pump with ceramic plungers, stainless steel and brass unloader valve, forged brass manifold, thermal relief valve, high-pressure detergent injection, 389 cc Honda OHV engine, polyethylene burner fuel tank and patented electromagnetic firing (EMF) system.

Specifications

Engine CC Rating ..... 389 cc
Drive Type ..... Direct
Fuel Type ..... Diesel / Kerosene / Home Heating Oil
GPM Flow ..... 3.4 gpm
Hose Length ..... 50'
Maximum PSI ..... 3500 psi
Starter Type ..... Honda Engine – Recoil Start

NAC **81-111**

2,500 PSI HOT WATER GAS PRESSURE WASHER



Professional grade washer features direct drive triplex piston pump with ceramic plungers, stainless steel and brass unloader valve, forged brass manifold, thermal relief valve, 196 cc Honda OHV engine, polyethylene burner fuel tank and patented electromagnetic firing (EMF) system.

Specifications

Engine CC Rating ..... 196 cc
Drive Type ..... Direct
Fuel Type ..... Diesel / Kerosene / Home Heating Oil
GPM Flow ..... 2.7 gpm
Hose Length ..... 50'
Maximum PSI ..... 2,500 psi
Starter Type ..... Honda Engine – Recoil Start

NAC **81-110**

1,400 PSI HOT WATER ELECTRIC PRESSURE WASHER



Professional grade washer features direct drive triplex piston pump with ceramic plungers, stainless steel and brass unloader valve, forged manifold, thermal relief valve. Uses Diesel / Kerosene / Home Heating Oil fuels.

Specifications

Motor HP Rating ..... 1.5 hp
Voltage ..... 120 Volt
AMP Draw ..... 15 Amp
Drive Type ..... Direct
Electric Motor Type ..... 120 V, 1 Phase
GPM Flow ..... 1.6 gpm
Hose Length ..... 40'
Maximum PSI ..... 1400 psi

NAC **81-100**

Air Compressors

1,000 PSI HOT WATER ELECTRIC PRESSURE WASHER

Professional grade washer features direct drive triplex piston pump with ceramic plungers, stainless steel and brass unloader valve, forged brass manifold, thermal relief valve.

NAC **81-101**



Specifications

Motor HP Rating	1.5 hp
Voltage	120 Volt
AMP Draw	15 Amp
Drive Type	Direct
Electric Motor Type	120 V, 1 Phase
Fuel Type	Diesel / Kerosene
GPM Flow	2 gpm
Hose Length	50'
Maximum PSI	1000 psi

GEYSER™ COLD WATER PRESSURE WASHERS

Geyser™ cold water pressure washers are built for heavy-duty use. Features 50' high-pressure hose, 36" wand with trigger gun control, quick connect nozzles and stainless steel belt guard.

Features

- Heavy-duty roll cage steel frame with lifting bar
- Belt drive systems
- Heavy-duty triplex plunger pump
- Pneumatic tires
- Detergent injector



Item No.	PSI/bar	GPM/lpm	Engine Pump	Dimensions (in)	Dimensions (cm)	Weight
NAC **81-225000K**	5,000/345	5.0/18.9	25 HP Kohler	43 L x 28 W x 36 H	109.2 L x 70.5 W x 91.4 H	445 lbs.
NAC **81-216000**	4,000	4.0/15.1	16 HP Vanguard	49 L x 30 W x 35 H	124.5 L x 88.9 W x 76.2 H	435 lbs.

GEYSER™ COLD WATER TRAILER PRESSURE WASHER SYSTEM

Geyser™ GT trailer mounted gasoline pressure washer includes 24" wand with trigger, tubular steel frame, low-pressure chemical injector and 100-gallon plastic water tank with ceramic triplex plunger pump. 4 Quick Change nozzles. Dimensions: 120" L x 72" W x 46" H.



Item No.	PSI	Units of Cleaning Power	Weight	Engine HP
NAC **81-MW325**	2,000	6,000	615 lbs.	5.5 hp
NAC **81-MW435**	3,000	12,000	690 lbs.	11 hp

GEYSER™ COLD WATER MOBILE GAS PRESSURE WASHERS

The new Geyser™ Frame Mobile Unit is gas driven and portable with a 50% taller ergonomic design. Weight on the back wheels reduces back strain. Separate Unloader adds durability and lowers maintenance costs. Hose wrap bar built into handle reduces hose wear and is easier to move and store.

Features

- Direct drive type
- Recoil starter
- Rebuildable Triplex plunger oil bath pump
- Convenient built-in wand holder
- Quick-connect nozzle tips
- 50' Long hose
- 38" L x 24.5" W x 39" H

NAC **81-CW3030K**



Item No.	GPM Flow	Units of Cleaning Power	Max. PSI	Engine	Weight
NAC **81-CW2525H**	2.5	6,250	2,500	Honda GC 160 cc	195 lbs.
NAC **81-CW2830H**	2.8	8,400	3,000	Honda GX 200 cc	220 lbs.
NAC **81-CW3030K**	3	9,000	3,000	Kohler 208 cc	210 lbs.
NAC **81-CW3030L**	3	9,000	3,000	LCT 208 cc	220 lbs.
NAC **81-CW3530H**	3.5	10,500	3,000	Honda GX 270 cc	220 lbs.
NAC **81-CW3540H**	3.5	14,000	4,000	Honda GX 390 cc	240 lbs.
NAC **81-CW4030K**	4	12,000	3,000	Kohler 277 cc	220 lbs.
NAC **81-CW4040K**	4	16,000	4,000	Kohler 429 cc	240 lbs.
NAC **81-CW4040L**	4	16,000	4,000	LCT 414 cc	240 lbs.

Air Compressors

GEYSER™ WALL-MOUNT COLD WATER PRESSURE WASHERS

160 Degrees F inlet water temperatures. Separate Unloader adds durability and lowers maintenance costs. Wall mount on 18" center-to-center mounting. Convenient hose hanging bracket. Quick-connect nozzle tips.



Item No.	GPM Flow	Amps	Hose Length	Pump	Motor	Units of Cleaning Power	Dimensions	Weight
NAC **81-WM2015**	2 @ 1500 PSI	20	25'	Rebuildable Triplex Plunger	1 Phase Electric AC 115V	3,000	24" L x 13" W x 26" H	90 lbs.
NAC **81-WM3020**	3 @ 2000 PSI	22	25'	Rebuildable Triplex Plunger	1 Phase Electric AC 230V	6,000	24" L x 13" W x 26" H	100 lbs.

GEYSER™ REPLACEMENT QC SOAP NOZZLE TIP



QC Soap Nozzle Tip - Black. Size 1/4" QC.
Contents: 1 Spray tip.
NAC **81-65400-2B**

GEYSER™ 3/8 IN. HOSE COUPLER PLUG



Up to 3,500 PSI pressure. 250° F. 4:1 safety factor. Size: 3/8" x 3/8" FPT. Zinc- plated.
NAC **81-31231-B**

GEYSER™ 3/8 IN. STAINLESS STEEL HOSE COUPLER PLUG



Up to 6,300 PSI pressure. 250° F. 4:1 safety factor.
Size: 3/8" x 3/8" FPT.
NAC **81-33232-B**

GEYSER™ QD BRASS SOCKET FOR DUAL LANCE WAND



QD brass socket for dual lance wand fits all mobile Geyser™ Hot Water models. Up to 5,500 PSI pressure. 250° F. 4:1 safety factor. Size: 1/4" F x 1/4" MPT.
NAC **81-24121-A**

GEYSER™ QD SOCKET FOR SINGLE LANCE WAND



Fits all Geyser™ Hot Water Skid models, and Geyser™ Cold Water models. Up to 5,000 PSI pressure. 250° F. 4:1 safety factor. Size: 1/4" x 1/4" FNPT.
NAC **81-24225-A**



HEAVY-DUTY GAS PRESSURE WASHERS

Heavy-duty cold pressure washers are both powerful and portable for the toughest cleaning situations. Feature ceramic triplex plunger pumps and 50' hose.

Item No.	Engine	GPM	Max PSI	Nozzle Type	Weight
NAC **81-065**	13 hp	3.5	3,700 PSI	Professional Grade Trigger with Safety Lock	170 lbs.
NAC **81-201**	6.5 hp	3.0	2,000 PSI	Professional Grade Trigger with Safety Lock	160 lbs.
NAC **81-202**	5.0 hp	2.3	2,000 PSI	Professional Grade Trigger with Safety Lock	100 lbs.



HEAVY-DUTY ELECTRIC PRESSURE WASHERS

Cold water electric pressure washers include portable cart and feature low-chemical injection and overheat protection for motor. Maximum inlet water temperature is 140 degrees.

Features

- Triplex ceramic pump
- Variable-degree trigger controlled nozzle
- 50' pressure hose
- 1 phase, 230V

Item No.	Pressure	GPM	Motor	Weight
NAC **81-031**	1,400 PSI	2.0	2.3 hp	105 lbs.
NAC **81-051**	2,000 PSI	3.0	4.0 hp	160 lbs.

Air Compressors

COLD WATER GAS PRESSURE WASHERS

Pressure washers are built to last and feature built-in low-pressure detergent injection and thermal relief valve pump protection.

Item No.	GPM Flow	Hose Length	Max. PSI	Pump	Starter Type
NAC **81-24800**	2.0 gpm	30'	2,400 PSI	Axial Piston	190 cc Briggs & Stratton Engine
NAC **81-24800H**	2.0 gpm	30'	2,400 PSI	Axial Piston	160 cc Honda OHC Engine
NAC **81-25750H**	2.3 gpm	25'	2,500 PSI	Axial Piston	160 cc Honda OHC Engine
NAC **81-26210H**	2.4 gpm	25'	2,700 PSI	Axial Piston	187 cc Honda OHC Engine
NAC **81-27200H**	2.4 gpm	25'	3,000 PSI	Crank Driven	196 cc Honda OHC Engine
NAC **81-27200S**	2.4 gpm	25'	3,000 PSI	Crank Driven	211 cc Subaru OHC Engine
NAC **81-29520H**	2.8 gpm	50'	3,400 PSI	Crank Driven	270 cc Honda OHV Engine
NAC **81-29520S**	2.8 gpm	50'	3,400 PSI	Crank Driven	265 cc Subaru OHC Engine
NAC **81-213600H**	3.4 gpm	50'	4,000 PSI	Crank Driven	389 cc Honda OHV Engine
NAC **81-213600S**	3.4 gpm	50'	4,000 PSI	Crank Driven	404 cc Subaru OHC Engine



NAC **81-29520S**

BRIGGS & STRATTON® PRESSURE WASHER

3,000 MAX PSI / 2.7 MAX GPM*



- Briggs & Stratton Professional Series™ OHV Engine, 8.75 ft-lbs. gross torque**, 190cc
- Features Quiet Sense™ Automatic Throttle Control
  - Up to 40% quieter than standard pressure washer engines when the spray gun trigger is released.
- Fold Down Handle
- Maintenance-Free axial cam pump with Easy Start™ Technology
- 4 Quick-Connect Spray Tips (0°, 15°, 40°, & Soap)
- 30' High-pressure hose for extended reach
- 10" Never go flat wheels
- 2-Year Limited Warranty/ 90 Day Commercial Warranty***

GEN **020592**

BRIGGS & STRATTON® PRESSURE WASHER

2,800 MAX PSI / 2.3 MAX GPM*



- Briggs & Stratton Professional Series OHV Engine, 7.75 ft-lbs. gross torque**, 175cc
  - Features ReadyStart® Starting System
  - Just pull for power, no priming required
- Fold Down Handle
- Maintenance-free axial cam pump with Easy Start™ Technology
- 4 Quick-Connect Spray Tips
  - (0°, 15°, 40°, & Soap)
- 30' High-pressure hose for extended reach
- 10" Never go flat wheels
- 2-Year Limited Warranty/ 90 Day Commercial Warranty***

GEN **020593**

BRIGGS & STRATTON® ELITE SERIES™ PRESSURE WASHER

4,000 MAX PSI / 4.0 MAX GPM*



- Briggs & Stratton 2100 Series™ OHV Engine, 21.00 ft-lbs. gross torque**, 420cc
- Annovi Reverberi™ Triplex Plunger Pump
  - Adjustable pressure regulation allows you to match the pressure coming from the pump to your cleaning task
- 5 Pro-Style Spray Tips
  - (0°, 15°, 25°, 40°, & Soap)
- 50' Steel braided hose for extended reach
- 12" never go flat wheels
- 2-Year Consumer / 90 Day Commercial Warranty***

GEN **020507**

BRIGGS & STRATTON® PRESSURE WASHER

3,400 MAX PSI / 2.8 MAX GPM*



- Briggs & Stratton 1150 Series™ OHV Engine, 11.50 ft-lbs. gross torque**, 250cc
- Heavy-Duty axial cam pump with Easy Start™ Technology
- 4 Quick-Connect Spray Tips
- (0°, 15°, 40°, & Soap)
- 30' High-pressure hose for extended reach
- 10" Never go flat wheels
- 2-Year Consumer / 90 Day Commercial Warranty***

GEN **020505**

**** This pressure washer is rated in accordance to the Pressure Washer Manufactures' Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers).***
***** All power levels are stated gross torque at 2,600 RPM per SAE J1940 as rated by Briggs & Stratton.***
**** See briggsandstratton.com for full warranty details.*

BRIGGS & STRATTON® ELITE SERIES™ PRESSURE WASHER

3,300 MAX PSI / 3.2 MAX GPM*



- Briggs & Stratton 1150 Series™ OHV Engine
  - 11.50 ft-lbs gross torque**, 250cc
- Annovi Reverberi™ Heavy-Duty Triplex Plunger Pump
- 5 Quick-Connect Spray Tips
  - 0°, 15°, 25°, 40°, & Soap
- 3 Position fold-down handle design
  - For compact storage and easy maneuverability
- 50 ft. High-pressure hose with quick connect fittings
- 4 Wheel construction
- 2- 1 Gallon detergent tanks
- 2- Year Limited Warranty/90 Day Commercial Warranty ***

GEN **020542**

BRIGGS & STRATTON® PRESSURE WASHER

3,200 MAX PSI/ 2. MAX GPM*



- Briggs & Stratton 900 Series™ OHV Engine, 9.00 ft-lbs. gross torque**, 205cc
- Maintenance-free axial cam pump with Easy Start™ Technology
- 3 Quick-connect spray tips
  - (0, 25, Soap)
- 30' High-pressure hose
- 10" Never go flat wheels
- 2-Year Consumer / 90 Day Commercial Warranty***

GEN **020655**

BRIGGS & STRATTON® PRESSURE WASHER

2,600 MAX PSI / 2.0 MAX GPM*



- Briggs & Stratton 675 Series™ Engine, 6.75 ft-lbs. gross torque**, 190cc
  - Features ReadyStart® Starting System
  - Just pull for power, no priming required
- Fold down handle
- Maintenance-free axial cam pump with Easy Start™ Technology
- 3 Quick-Connect Spray Tips
  - (0, 25, Soap)
- 30' High-pressure hose for extended reach
- 10" Never go flat wheels
- 2-Year Limited Warranty/ 90 Day Commercial Warranty***

GEN **020594**

POWERBOSS® PRESSURE WASHER

3,800 MAX PSI 4.0 MAX GPM*



- Honda GX390 Engine, 389cc
- 5 Quick-Connect Spray Tips
  - 0, 15, 25, 40, Soap
- Annovi Reverberi™ Heavy-Duty Triplex Plunger Pump
- 50' High pressure hose
- 13" Pneumatic Wheels
- 1-Year Limited Warranty***

GEN **020454**

POWERBOSS® PRESSURE WASHER

3,100 MAX PSI / 2.5 MAX GPM*



- Honda GC190 Engine 190cc
  - Provides easy, low effort starting
- 1 Gallon onboard cleaning detergent tank
- 4 Quick-Connect Spray Tips
  - (0°, 15°, 40°, & Soap)
- 25' High pressure hose
- 10" Pneumatic wheels
- 2 Year Limited Warranty***

GEN **020649**

POWERBOSS® PRESSURE WASHER

2,800 MAX PSI / 2.3 MAX GPM*



- Honda GCV160 Engine, 160cc
- 3 Quick-Connect Spray Tips
  - (0, 25, Soap)
- Maintenance-free axial cam pump with Easy Start™ Technology
- 25' High pressure hose
- 10" Wheels
- 2-Year Limited Warranty***

GEN **020574**

**** This pressure washer is rated in accordance to the Pressure Washer Manufactures' Association (PWMA) standard PW101-2010 (Testing and Rating Performance of Pressure Washers).***

***** All power levels are stated gross torque at 2,600 RPM per SAE J1940 as rated by Briggs & Stratton.***

**** See briggsandstratton.com for full warranty details.*

3,100 PSI GAS PRESSURE WASHER

- 210cc Powerease engine
- 3,100 PSI
- 2.3 GPM
- AR RMV Pump

Features

- Low pressure chemical injector
- Inegrated soap tank
- Powder coated steel frame
- Split wand assembly with gun
- 25' hose

BEP **BE-317RA**



1,600 PSI ELECTRIC PRESSURE WASHER

- 1.3HP electric motor 120V
- 1,600 PSI
- 1.4 GPM
- 13 amps

Features

- Gun lance with adjustable spray nozzle
- Rotating nozzle
- 20' high pressure hose
- Foam dispenser
- Replacement accessory kit available

BEP **P1615EN**



2,700 PSI GAS PRESSURE WASHER

- 160cc Honda engine
- 2,700 PSI
- 2.3 GPM

Features

- Thermal relief valve
- 25’ hose
- Built in soap tank
- Powder coated steel frame
- Aluminum head axial pump

BEP **BE-275HA**



1,400 PSI ELECTRIC PRESSURE WASHER

- 1.2HP electric motor 120V
- 1,400 PSI
- 1.3 GPM
- 12 amps

Features

- Gun lance with adjustable spray nozzle
- 19' high pressure hose
- Foam dispenser
- Replacement accessory kit available

BEP **P1415EN**



1,750 PSI ELECTRIC PRESSURE WASHER

- 1.5HP electric motor 120V
- 1,750 PSI
- 1.3 GPM
- 13 amps

Features

- Gun lance with adjustable spray nozzle
- 20' high pressure hose
- Integrated soap tank
- Automatic shutdown system
- Replacement accessory kit available

BEP **P1815EN**



BEP **TP-3013HM**



3 IN. TRASH PUMPS

- Handles solids up to 1" diameter
- 26' Suction lift
- Recoil start

Item No.	Description
BEP **TP-3013HM**	389 cc Honda engine, 370 GPM max flow, 98' total lift, 1.8 gal. fuel tank capacity, low oil alert
BEP **TP-3070R**	210 cc Powerease engine, 264 GPM max flow, 85' total lift, .95 gal. fuel tank capacity, low oil shut-down, Centrifugal aluminum pump



BEP **WP-2065HL**

2 IN. WATER PUMPS

- 26'/10 PSI max suction head
- No solids

Item No.	Description
BEP **WP-2065HL**	Honda GX200 engine with oil alert, 150 GPM max flow, Centrifugal aluminum pump, 105'/42 PSI total head
BEP **WP-2050HL**	Honda GC160 engine with oil alert, 150 GPM max flow
BEP **WP-2070S**	Powerease 210cc engine, Centrifugal aluminum pump, 158 GPM max flow, 82' total lift, Recoil start, Low oil shutdown, Heavy-duty aluminum impeller, 3.6L fuel tank capacity
BEP **NP-2050HR**	Honda 160cc engine, Nylon pump
BEP **WPK-2065CM**	Powerease 210cc engine, 158 GPM max flow, 82' total lift, Recoil start, Low oil shutdown, Heavy-duty aluminum impeller, 3.6L fuel tank capacity
BEP **HP-2070R**	Powerease 7HP engine, 197' total head, Cast iron impeller



BEP **WP-3065HL**

3 IN. WATER PUMPS

- Centrifugal aluminum pump
- 26'/10 PSI max suction head
- No solids

Item No.	Description
BEP **WP-3065HL**	Honda GX200 engine with oil alert, 265 GPM max flow, 105'/ 40 PSI total head
BEP **WP-3070S**	Powerease 210cc engine, 264 GPM max flow, 85' total lift, Recoil start, Low oil shutdown, Heavy duty aluminum impeller, 3.6L fuel tank capacity



1 IN. WATER PUMP

- 79cc (2 HP) Powerease engine
- 42 GPM max flow
- 85' total lift
- 20' suctionlLift
- Recoil start
- Centrifugal aluminum pump
- Heavy-duty aluminum impeller
- 1.8L fuel tank capacity

BEP **WP-1020R**

14 IN. WHIRL-A-WAY

- 4,000 PSI
- 8.5 GPM
- 180°F

BEP **85403014**



12 IN. WATER BROOM

- Used for cleaning vast surfaces quickly
- Comes in bubble pack ready for display.
- 4,000 PSI
- 3.0 GPM

BEP **85400060**

BEP **85265013** Replacement nozzle, 1.3 GPM



WATERBROOM PRESSURE WASHER NOZZLE

- Replacement waterbroom nozzle for a *BEP* **85400060** waterbroom
- 1.3 GPM

BEP **85265013**





18 FT. TELESCOPING WAND

- 4,000 PSI
- 8.0 GPM
- 200°F

BEP **85206018L**



36 IN. GUN AND WAND ASSEMBLY

Complete assembly built with a spray gun and wand with quick disconnect couplers.

- 4,000 PSI
- 8.0 GPM
- 210°F

BEP **85205026**



4,000 PSI REPLACEMENT GUN WAND ASSEMBLY

36" split lance with side handle, removable nozzle holder, comfort grip handle.

- 4,000 PSI
- 8.0 GPM
- 210°F
- 3/8" quick connect inlet
- 1/4" quick connect outlet

BEP **85205053**

2,500 PSI FRONT LOAD SPRAY GUN
- 2,500 PSI
- 10.5 GPM

BEP **85202108**



1,800 PSI ACCESSORY KIT
For use with electric pressure washers up to 1,800 PSI. This kit connects with 14mm and 15mm M22 screwtype connections.
- Front load gun with split lance
- M22 fittings
- Vari-nozzle
- 25' hose

BEP **85400320**



3,000 PSI ACCESSORY KIT
The ideal kit for use with gas pressure washers up to 3,000 PSI. This kit connects with an M22 screw-type fitting.
- Front load gun
- Split lance
- Vari-nozzle #3
- 25' hose with M22 fitting

BEP **85400327**



BEP **85225228**



HIGH PRESSURE HOSES

Item No.	Description
BEP **85225228**	25 ft, 3,600 PSI, 5/16" hose comes with M22-screw type fittings, For cold water use only
BEP **85238156**	Industrial 50 ft, 4,000 PSI, 3/8", Non-marking, Comes with quick-connect fittings, For cold/hot water use
BEP **85225229P**	Thermoplastic, 25 ft, 3,200 PSI, Comes with M22F x F fittings

100 FT. PRESSURE WASHER HOSE REEL
- 4,000 PSI

BEP **85402001**



Q/C PRESSURE WASHER NOZZLE
- 15° nozzle
- 4.0 GPM

BEP **85216040**



LOW PRESSURE CHEMICAL NOZZLE KIT WITH CLIP
- Includes 0, 15 and 40°

BEP **35210037**





BEP **85400213**

HEAVY-DUTY ROTARY NOZZLE
- 1/4" quick-connect

BEP **85400213** 3,200 PSI
BEP **85400214** 5,000 PSI



BEP **85400214**

QUICK-CONNECT SPRAY NOZZLES
- 0, 15 and 40° and soaper

BEP **85400215**



GARDEN HOSE FITTING KIT
- 1/2" Plug
- 1/2" Coupler

BEP **85400211**



SOAP NOZZLES
BEP **85400221** 65° Nozzle
BEP **85400222** Long Range Nozzle, 1/4" quick-connect sprays up to 30 ft



GUTTER CLEANER
- Gutter cleaner with quick-connect fitting
- Attaches to telescoping wand

BEP **85400007**



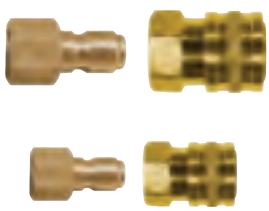
GARDEN HOSE FITTING KIT
- 1/2" Plug
- 1/2" Coupler

BEP **85400205**



FNPT QUICK-CONNECT FITTINGS
- Includes 1/4" and 3/8"

BEP **85400207**



QUICK-CONNECT FITTINGS
- 1/4" and 3/8" MNPT

BEP **85400210**



SCREW TYPE FITTING KIT
- For quick-connect conversion

BEP **85400204**



PRESSURE WASHER O-RING KIT
BEP **85400206**



UNIVERSAL GAUGE KIT
- Check your pump performance

BEP **85400209**



HEAVY DUTY WET SANDBLAST KIT
- Sandblasts without the dust of regular sandblasting
- Used to strip paint, remove rust, graffiti and stains
- 5,000 PSI

BEP **9001-9**



SANDBLAST KIT
- Sandblasts without the dust of regular sandblasting
- Used to strip paint, remove rust, graffiti and stains
- 3,500 PSI

BEP **85400002**



LOW PRESSURE SOAP INJECTOR KIT
Adjustable chemical injector kit. Draws chemical or soap from a bucket when the soaper nozzle is used.

BEP **85400208**



VARI-NOZZLE
- 3,000 PSI

BEP **85400212**



THERMAL VALVE
- Protect your pump from overheating

BEP **85400224**



PIVOT COUPLER
BEP **85400223**





3 FT CHEMICAL INJECTOR HOSE WITH FILTER
- Used to draw soap from soap/chemical container
- 1/4" quick connect

BEP **85400226**






BEP **85400216** *BEP* **85400217** *BEP* **85400218**

CONCENTRATED PRESSURE WASHER SOAP

Item No.	Description
BEP **85400216**	Car Wash, 6 oz.
BEP **85400217**	Heavy Duty Degreaser, 6 oz.
BEP **85400218**	House and Siding, 6 oz.



SMALL ENGINE OIL
- For 4 cycle small engines
- 1L

BEP **85400220**



PRESSURE WASHER PREMIUM PUMP OIL
- 1L

BEP **85400227**



PUMP SAVER
- Anti-freeze solution
- 16 oz.

BEP **85490046**

Air Compressors

MEG PRESSURE WASHER NOZZLE
High-pressure, 1/4" NPT, 15° nozzle. Orientation: 3.0.

NAC **81-287580**



Air Compressors

1/4 IN. MEG NOZZLE
High-pressure, 1/4" NPT, 15° nozzle. Orifice: 4.0.

NAC **81-3217**



Air Compressors

HOSE ADAPTER
Screw-connect M22 x 3/8" FNPT brass and stainless steel connector.

NAC **81-3100**



Air Compressors

PRESSURE WASHER NOZZLE
Threaded high-pressure multi-nozzles are available with 1.5 mm and 1.3 mm orifice. Up to 80°.

NAC **81-009** 1.3 mm



Air Compressors

ROTATING CLEANING NOZZLE
Increase efficiency of pressure washer by increasing the impact area with this 1/4" quick connect nozzle. Maximum pressure: 6,000 PSI.

NAC **81-288150**



Air Compressors

PRESSURE WASHER SPRAY GUN
Trigger gun features 12" extension and has a temperature range of up to 300° F. GPM flow: 12 gpm. Inlet thread size: 3/8" FNPT. Outlet thread size: 1/4" FNPT. Use with *NAC* **81-287988** Dual Wand.

NAC **81-287984**



Air Compressors

COLD WATER SPRAY GUN ASSEMBLY
Replacement spray gun and lance for cold water pressure washers. Length: 48". Maximum pressure: 5,000 PSI. Thread size: 3/8". 10 GPM, Temperature range 320° F.

NAC **81-7583-48A**



Air Compressors

ZYTEL SHELL PRESSURE WASHER SPRAY GUN
Trigger gun has a temperature range of up to 212° F. GPM flow: 7 gpm. Inlet thread size: 3/8" FNPT. Outlet thread size: 1/4" FNPT.

NAC **81-288050**



Air Compressors

PRESSURE WASHER SPRAY GUN
Nozzle features trigger grip and handles temperatures up to 300° F. Forged brass housing and special heat- and chemical-resistant seals ensure optimum performance in harsh environments. Maximum pressure: 5000 psi. Maximum flow: 12 gpm.



NAC **81-12**

PRESSURE WASHER BRUSH ATTACHMENT
Adjustable rotating brush attachment has swivel joint and soft white bristles. Length: 18". Max. PSI: 58.



NAC **81-18**



PRESSURE WASHER LANCE ATTACHMENT
Dual lance attachment for extending wash capabilities.

Item No.	Description
NAC **81-14**	48"
NAC **81-287988**	36"



PRESSURE WASHER LANCE ATTACHMENT
Dual lance attachment for extending wash capabilities. Used with *NAC* **81-288050**.

NAC **81-288051** 23" with high/low nozzle

PRESSURE WASHER CHEMICAL INJECTOR CONNECTOR
Chemical injection fitting for power washer features brass and stainless steel construction and 3 to 5 gpm flow. Size: 3/8" x 3/8".



NAC **81-13**



TELESCOPING WAND
Professional grade trigger gun with safety lock comes complete with quick connects and extends from 6' to 18'. For temperatures up to 210° F. Maximum pressure: 4,000 PSI.

NAC **81-288152**

SIPHON SPRAY GUN
Metal siphon gun sprays air-liquid mixtures including solvents and soap solutions for cleaning wall machinery. Includes 8' plastic tubing.



NTH **90-493**

FLEXZILLA® PRESSURE WASHER HOSES
If it's not ZillaGreen, it's not FLEXZILLA®. Extreme flexibility under pressure. Revolutionary pressure washer hose that redefines flexibility, even under pressure. Unlike other pressure washer hose, FLEXZILLA® stays flexible when pressurized for use and offers minimal memory when depressurized, so it lays flat and won't work against you before or after. Ideal for landscapers, lawn and garden, wash down and contractors. Features M22 brass connectors (nickel plated), SS hydraulic crimped ferrules, and integral non-kink bend restrictor. For cold water use only. Hose is 1/4" I.D. and has a temperature range of -40 to 150° F ambient temperature. Maximum pressure of 3,500 psi.



Item No.	Description
NAC **81-3845**	25"
NAC **81-3846**	50"



PRESSURE WASHER HOSES
Black replacement hose for pressure washers.

Item No.	Length	Max. Pressure	Type	Thread Size
NAC **81-21**	23'	3,262 psi	R1	1/4" female x 1/4" male
NAC **81-22**	50'	3,262 psi	R1	1/4" female x 1/4" male
NAC **81-287567**	50'	3,000 psi	R1	3/8" male x 3/8" male
NAC **81-287570**	50'	4,500 psi	R2	3/8" male x 3/8" male

100 FT. PRESSURE WASHER HOSE
Pressure washer hose for hot water pressure washers is 100' long and has a maximum pressure of 4,500 PSI. Thread size: 3/8" male.



NAC **81-288170**

40 FT. PRESSURE WASHER HOSE
Replacement hose is 40' long and features 3/8" male x 3/8" male threads. Maximum pressure of 3,000 PSI.



NAC **81-288049**

30 FT. PRESSURE WASHER HOSE
Pressure washer hose for hot water pressure washers is 30' long and has a maximum pressure of 3,000 PSI. Thread size: 3/8" female.



NAC **81-7576**

50 FT. STEAM HOSE
Pressure washer hose is 50' long and has a maximum pressure of 3,000 PSI. Thread size: 3/8" female..



NAC **81-75233**

Air Compressors

50 FT. COLD WATER HOSE
Pressure washer hose for cold water pressure washers is 50' long and has a maximum pressure of 3,000 PSI. Thread size: 3/8" male.
NAC **81-33**



WET SANDBLASTING ATTACHMENT
Cold water wet sandblasting attachment works with water temperatures up to 70° F. Max Pressure: 1,500 PSI.
NAC **81-19**



PRESSURE WASHER DRAIN CLEANING ATTACHMENT
Hose for clearing clogged drains and pipes.
Maximum pressure: 1,500 PSI.
Temperature range is up to 70° F. Hose length is 33".
NAC **81-20**



QUICK-CONNECT TIPS
For use with hot or cold pressure washers.



Item No.	Angle	Orifice	Color
NAC **81-288154**	5,000 PSI, 300° Temp Max., 1/4 NPT Quick Connect, Stainless Steel		
	0°	3.0	Red
NAC **81-288155**	15°	3.0	Yellow
NAC **81-288156**	25°	3.0	Green
NAC **81-288157**	40°	3.0	White
NAC **81-288140**	3.0" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		
NAC **81-288158**	0°	3.5	Red
NAC **81-288159**	15°	3.5	Yellow
NAC **81-288160**	25°	3.5	Green
NAC **81-288161**	40°	3.5	White
NAC **81-288141**	3.5" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		
NAC **81-288162**	0°	4.0	Red
NAC **81-288163**	15°	4.0	Yellow
NAC **81-288164**	25°	4.0	Green
NAC **81-288165**	40°	4.0	White
NAC **81-288142**	4.0" orifice. Kit of 4 nozzles (0°, 15°, 25°, and 40°) and 1 Brass Q.C. Socket.		

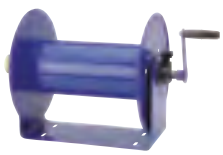
LOW PRESSURE FILTER
Made of stainless steel mesh, filter features 1/4" and 1/2" inlets and 1/2" outlet. Flow rate: 5.8 gpm.
NAC **81-11**



PRESSURE WASHER FUEL FILTER ELEMENT
Quality fuel filter and water separator ensures clean fuel supply. Fits pressure washer models *NAC* **81-101**, *NAC* **81-102**, *NAC* **81-103**, *NAC* **81-104**, *NAC* **81-105**, *NAC* **81-106**, *NAC* **81-110**, and *NAC* **81-111**.
NAC **81-287588**



WALL MOUNT HOSE REEL
For storage of 3/8" x 300' high-pressure hose. Max temperature: 225° F. Maximum working pressure: 4,000 PSI. Hose not included.
NAC **81-37**



HOT & COLD WATER HOSE REEL
Hose reel includes universal mount bracket and jumper hose for storage of 100' high-pressure hose. Hose not included.
NAC **81-288146**



DECK & HOUSE CLEANER
Liquid pressure washer cleaner helps remove oxidation and film. Ideal for preparing outdoor surfaces for painting.
NAC **AW-4034-0026** 1 gal.



PRESSURE WASHER PUMP OIL
Special additives protect pressure washer pumps against wear, rust and corrosion. Foam suppressant and dispersant maintain system cleanliness. Suitable for all climates.
NAC **81-550** 1 pint



PRESSURE WASHER CLEANER
All-purpose pressure washer cleaner for use on vehicles, buildings and other equipment. Do not use with steam cleaners.



Item No.	Description
NAC **AW-4018-0026**	1 gal.
NAC **81-520**	5 gal.

PRESSURE WASHER SOLVENT
Prevents calcium, lime and rust from building up in power washers.



Item No.	Description
NAC **81-98**	1 gal.
NAC **81-99**	5 gal.

SHOP-VAC® BULLDOG® SERIES - 4 GAL. 2.0 HP (PEAK) PORTABLE WET/DRY UTILITY VAC

- 10' x 1¼" Hose
- Gulper nozzle
- Crevice tool
- Round brush
- Foam & reusable disc filter
- On-board tool storage
- 6' Power cord
- Three-Year Home Use - OR - 90 Day Commercial Use Warranty

SHV **5850300**



SHOP-VAC® BULLDOG® SERIES - 8 GAL. 4.5 HP (PEAK) WET/DRY UTILITY VAC

- Quiet operating
- Blower feature
- 10' x 1¼" Lock-On® hose
- 2 Extension wands
- 10" Floor nozzle
- Gulper nozzle
- Crevice tool
- Round brush
- Cartridge filter
- On-board tool storage
- 6' Power cord
- Three-Year Home Use - OR - 90 Day Commercial Use Warranty

SHV **5870800**



SHOP-VAC® BULLDOG® SERIES - 5 GAL. 4.5 HP (PEAK) WALL-MOUNTED WET/DRY UTILITY VAC

- Quiet operating
- 25' x 1¼" Lock-On® hose
- 2 Extension wands
- Deluxe 12" floor nozzle w/ brush & squeegee insert
- Gulper nozzle
- Crevice tool
- Round brush
- Cartridge filter
- Wall mounting bracket w/hose storage
- Accessory storage bag
- 6' Power cord
- Three-Year Home Use - OR - 90 Day Commercial Use Warranty

SHV **3942100**



SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES- 10 GAL. 6.5 HP (PEAK) WET/DRY UTILITY VAC

- Quiet operating
- Detachable dolly system
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 12' x 1½" Lock-On® hose
- Claw utility nozzle
- Long crevice tool
- Wet/dry floor nozzle
- Extension wands
- On-board accessory storage
- 20' power cord
- One-Year Commercial Use Warranty

SHV **5873510**



shop-vac

SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES - 5 GAL. 6.5 HP (PEAK) PORTABLE HEAVY-DUTY WET/DRY UTILITY VAC

- Blower feature
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 7' x 1½" Lock-On® hose
- Claw utility nozzle
- Crevice tool
- On-board accessory storage
- Wall storage bracket w/hardware
- 20' Power cord
- One-Year Commercial Use Warranty

SHV **5872510**



SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES 12 GAL. 6.5 HP (PEAK) WET/DRY UTILITY VAC

- Quiet operating
- Blower feature
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 12' x 1½" Lock-On® hose
- 2 Extension wands w/ curved wand
- Deluxe 12" floor nozzle w/ brush & squeegee insert
- Claw utility nozzle
- Crevice tool
- On-board accessory storage basket
- 20' Power cord
- One-Year Commercial Use Warranty

SHV **9621210**



SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES 16 GAL. TWO-STAGE 3.0 HP (PEAK) WET/DRY UTILITY VAC

- Two-stage motor promises 50% more power & 50% more motor life
- Ultra quiet operating
- Blower feature
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 12' x 1½" Lock-On® hose
- 2 Metal extension wands
- Deluxe 14' metal floor nozzle w/ brush & squeegee insert
- Claw utility nozzle
- Crevice tool
- On-board accessory storage basket
- Transport handle & 8" rear wheels for better mobility
- 35' Power cord
- One-Year Commercial Use Warranty

SHV **9621610**



shop-vac

SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES 8 GAL TWO-STAGE 2.0 HP (PEAK) WET/DRY WALL MOUNTED GARAGE VAC

- Durable 8 gallon stainless steel tank
- Powerful two-stage motor provides more performance and longer life
- Centralized cleaning convenience does not take up floor space
- 25' x 1½" extra long Lock-On® hose for wide area cleaning.
- Space saving design provides a cleaning solution that is there when you need it
- Wall mounting bracket
- Ultra-Web® cartridge filter
- Deluxe 12" floor nozzle with brush and squeegee inserts
- Claw utility nozzle
- Crevice tool
- 2 extension wands
- One-Year Commercial Use Warranty



SHV **9253900**

SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES 12 GAL. 6.5 HP (PEAK) STAINLESS STEEL WET/DRY UTILITY VAC

- Quiet operating
- Blower feature
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 12' x 1½" Lock-On® hose
- 2 Extension wands w/curved wand
- Deluxe 12" floor nozzle w/brush & squeegee insert
- Claw utility nozzle
- Crevice tool
- On-board accessory storage basket
- Transport handle & 8" rear wheels for better mobility
- 20' Power cord
- One-Year Commercial Use Warranty



SHV **9621310**

SHOP-VAC® AUTOMOTIVE PROFESSIONAL SERIES -16 GAL. 12 AMP SR STAINLESS STEEL WET/DRY UTILITY VAC

- Switch reluctance motor provides 10 times more motor life
- Ultra quiet operating
- Blower feature
- Ultra Web® cartridge filter
- Fine particle collection filter bag
- 12' x 1½" Lock-On® hose
- 2 Metal extension wands
- Deluxe 14" metal floor nozzle w/ brush & squeegee insert
- Claw utility nozzle
- Crevice tool
- On-board accessory storage basket
- Transport handle & 8" rear wheels for better mobility
- 35' Power cord
- One-Year Commercial Use Warranty



SHV **9541610**

SHOP-VAC® INDUSTRIAL 16 GAL. 6.5 HP (PEAK) WET/DRY PUMP VAC

- Pump out feature makes this vac ideal for removing large amounts of water
- Also functions as a Wet/Dry Utility Vac
- Quiet operating
- Blower feature
- Cartridge filter
- Fine particle filter collection bag
- Deluxe 1¼" & 2½" accessory assortment
- Accessory storage basket
- 18' Power cord
- One-Year Commercial Use Warranty



SHV **9604610**

CARTRIDGE FILTER

Good

- Wet or dry pick-up
- Reusable – Easy clean-up
- Fits most Shop-Vac® Wet/Dry Vacs, 5 gallon and larger



SHV **9030400**

ULTRA WEB® CARTRIDGE FILTER

Better

- Wet or dry pick-up
- 5 times more efficient than our standard Shop-Vac® cartridge filter
- Cleans up like new for longer life
- Fits most Shop-Vac® Wet/Dry Vacs, 5 gallon & larger
- Standard replacement cartridge filter for the Automotive Professional Series (except Portable)



SHV **9035000**

CLEANSTREAM® HEPA FILTER

Best

- Wet or dry pick up
- Efficiency: 99.97% down 0.3 microns
- Resists clogging, maintains strong suction
- Cleans up like new for longer life
- Fits most Shop-Vac® Wet/Dry Vacs, 5 gallon & larger



SHV **9034000**

HANG-UP CARTRIDGE FILTER

Good

- Wet or dry pick-up
- Reusable - Easy clean up
- Fits *SHV* **3942100** - 5 Gal. BULLDOG® Series wall mounted Wet/Dry Utility Vac



SHV **9039800**

shop-vac

ULTRA WEB® HANG-UP CARTRIDGE FILTER
Better



- Wet or dry pick-up
- 5 times more efficient than our standard Shop-Vac® cartridge filter
- Cleans up like new for longer life
- Fits *SHV* **3942100** - 5 Gal. BULLDOG® Series Wall Mounted Wet/Dry Utility Vac and the *SHV* **5872510** - 5 Gal. Automotive Professional Series Portable Heavy-Duty Wet/Dry Utility Vac

SHV **9039700**

CARTRIDGE FILTER



- Replacement filter for RIDGID® and other competitors' brand vacuums
- Wet or Dry pickup
- Reusable - easy clean-up

SHV **9032800**

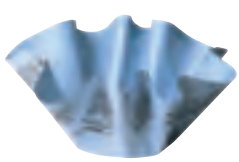
FOAM FILTER



- Foam filter for wet pick-up
- Fits most Shop-Vac® Wet/Dry Vacs 5 gal. and larger (except portable).

SHV **9058500**

REUSABLE DRY FILTERS



- For efficient dry filtering
- Package of three filters with easy-to-use mounting ring
- Fits most Shop-Vac® Wet/Dry Vacs

SHV **9010700**

HIGH-EFFICIENCY DISPOSABLE FILTER BAGS



- For drywall dust, fiberglass dust, cement dust,and other fine dusts
- Fits *SHV* **5870800**, *SHV* **5872510** and most other Shop-Vac®, 5-8 gallon tank models

SHV **9067100** 2-pack
SHV **9190510** 5-pack

HIGH-EFFICIENCY DISPOSABLE FILTER BAGS
Not Illustrated

- For drywall dust, fiberglass dust, cement dust, and other fine dusts
- Fits *SHV* **9621210**, *SHV* **9621310**, *SHV* **5873510** and most other Shop-Vac® 10-14 gallon tank models

SHV **9067200** 2-pack
SHV **9190610** 5-pack

HIGH-EFFICIENCY DISPOSABLE FILTER BAGS
Not Illustrated

- For drywall dust, fiberglass dust, cement dust, and other fine dusts
- Fits 16 gallon *SHV* **9621610**, *SHV* **9541610**, *SHV* **9609710** and most other Shop-Vac® 16-22 gallon tank models

SHV **9067300** 2-pack
SHV **9190710** 5-pack

CLEANING KIT - 1-1/4 IN.



- Great for detailing vehicle interiors
- Three-in-one kit includes round brush, gulper nozzle and crevice tool

SHV **9064300**

MICRO CLEANING KIT



- Great for detailing vehicle interiors.
- Kit includes mini versions of straight wand, curved wand, crevice tool, round brush, oval brush, plus an adapter to attach these tools to your 1¼" hose.

SHV **8018900**

1-1/2 IN. FLOOR CARE KIT



- Increases the versatility of our Portable Heavy-Duty Vac (*SHV* **5872510**) providing attachments for floor maintenance.
- Includes two 1½" Extension wands, 12" deluxe floor nozzle with brush and squeegee insert.

SHV **9190300**

HOSE ADAPTERS

Item No.	Description
SHV **9068500**	Allows all 1¼" accessories to be used with a 2½" hose.
SHV **9042800**	For coupling two 2½" hoses for extended reach.



SHV **9068500**



SHV **9042800**



CLAW UTILITY NOZZLE
Great for detailing vehicle interiors. Fits 1¼", 1½", and 2½" hoses.

SHV **9196100**



PLASTIC CREVICE TOOL - 1-1/2 IN.
Great for detailing vehicle interiors. Cleans hard to reach places.

SHV **9064500**

HOSES

Item No.	Description
SHV **9013400**	2½" x 8' Hose
SHV **9051300**	1½" x 25' Crush Resistant Hose
SHV **9032500**	1½" x 18' Hose
SHV **9032400**	1¼" x 18' Hose



CORDLESS/ CORDED VACUUMS



18V Xrp™ 1/2 Gal. Wet/Dry Portable Vac



18/20V MAX 2 gal. Cordless/Corded Wet/Dry VAC"



14.4V Dustbuster®



10 Gal. Hepa/Rrp Wet/ Dry Dust Extractor With Automatic Filter Cleaning

Item No.	*DEW* **DC515K**	*DEW* **DCV581H**	*DEW* **CHV1410**	*DEW* **DWV012**
Tank Size	1/2 gal.	2 gal.	20.6 oz.	10 gal
Amps/ Volts / Power Source	18V	18V or 20V MAX* or AC Power	14.4V	15 Amps
Max cfm	—	—	—	155 cfm
Max Water Lift	—	—	—	81"
Variable-Speed Dial	—	—	—	Yes
Blower	No	Yes	—	—
Hose Diameter	-1/4"	1 1/4"	—	1 1/4"
Hose Length	2.5'	5.0'	—	15'
Charger/Batteries	Charger / (1) 18V XRP™	Sold Separately	—	—
Filter Type	High Efficiency Gore® HEPA	HEPA Rated Filter	—	HEPA Rated Filter
Includes	—	Crevice Tool Attachment and Wide Nozzle Tool Attachment	On-Board Crevice Tool, On-Board Brush, Washable Pre-Filter, Washable Filter, Wall Mount and Charger	(2) HEPA filters and 15' Anti-static hose

SHOP-VAC ® AIR MOVER®

- 500 CFM
- Three speed switch for better airflow control
- Built in receptacles to connect multiple units
- Three operation positions for drying carpets, floors, walls and ceilings
- Units are stackable for easy storage
- 10' power cord
- Large top handle which also is power cord storage
- One-Year Commercial Use Warranty

SHV **1032100**



16 IN. PORTABLE STAINLESS STEEL AIR CIRCULATOR

- 1/2 HP 3000 max CFM
- Telescoping handle and 8" wheels for easy movement
- 3-Speed air control
- 30 ft. power cord with cord wrap
- Stainless steel body
- OSHA approved grill
- Heavy-duty molded fan blade

SHV **1033200**



SHOP-VAC® AIR MOVER®

- 1600 CFM
- 1/2 Peak HP
- Three speed switch for better airflow control
- 30' power cord for longer reach
- Collapsible transport handle and rear wheels for easy mobility
- Top carry handle for portability
- Two operating positions for drying carpets, floors, and ceilings
- Cord storage keeps cord untangled
- Stackable for easy storage of multiple units
- One-Year Commercial Use Warranty

SHV **1030200**



14 IN. PORTABLE STAINLESS STEEL AIR CIRCULATOR

- 1/3 HP 2000 max CFM
- Telescoping handle and 7" wheels for easy movement
- 3-Speed air control
- 30 ft. power cord with cord storage

SHV **1033100**



shop-vac

11 IN. PORTABLE STAINLESS STEEL AIR CIRCULATOR



- 1/4 HP 1000 max CFM
- Telescoping handle and 4" wheels
- 3-Speed air control
- 30 Ft. power cord with cord wrap
- OSHA approved grill
- Heavy-duty molded fan blade

SHV **1033000**

shop-vac

16 IN. MOUNTABLE STAINLESS STEEL AIR CIRCULATOR



- 1/2 HP 3000 max CFM
- Adjustable arm
- 3-Speed air control
- 15 ft. power cord with cord wrap
- OSHA approved grill
- Heavy-duty molded fan blade

SHV **1034200**

shop-vac

14 IN. MOUNTABLE STAINLESS STEEL AIR CIRCULATOR



- 1/3 HP 2000 max CFM
- Adjustable Arm
- 3-Speed air control
- 15 ft. power cord with cord wrap
- OSHA approved grill
- Heavy-duty molded fan blade

SHV **1034100**

shop-vac

11 IN. MOUNTABLE STAINLESS STEEL AIR CIRCULATOR



- 1/4 HP 1000 max CFM
- Heavy-duty adjustable wall mounting arm
- 3-Speed air control
- 15 ft. power cord

SHV **1034000**

shop-vac

AIR CIRCULATOR FILTERS

- Keeps area dust free
- Traps airborne particles to provide filtered air
- Removes dust and contaminating particles
- Requires mounting ring for use
- All diameters

SHV **9033700**	Polyester
SHV **9033800**	Microbial
SHV **9033900**	Carbon



SHV **9033700**



SHV **9033800**



SHV **9033900**

shop-vac

AIR CIRCULATOR FILTER MOUNTING RINGS



SHV **9040900**	11 In.
SHV **9041000**	14 In.
SHV **9041100**	16 In.

shop-vac

AIR CIRCULATOR AIR FLOW ADAPTERS

- Direct airflow up to 8 different directions
- Dries moisture in confined and hard to reach areas



SHV **9041200**	11 In.
SHV **9041300**	14 In.
SHV **9041400**	16 In.

shop-vac

AIR CIRCULATOR AIR DUCT ADAPTERS

- Allows you to adapt flexible air duct hosing to your air circulator
- Good for dust and smoke evacuation



SHV **9041500**	11 In.
SHV **9041600**	14 In.
SHV **9041700**	16 In.

shop-vac

16 IN. AIR CIRCULATOR LOADING DOCK AIR CIRCULATING KIT



- Provides continuous air circulation
- Forces cool air into trailer and warm air out
- Easily mounts near any loading dock

SHV **9041800**

PORTABLE BLAST Portable Shop Blower

NAPA® PROFESSIONAL BLOWER FAN



Compact, portable design is perfect for cooling technicians! Three powerful, high-velocity speed settings move air up to 300 CFM. Bearing-mounted motor shaft and tough, impact-resistant shell for extended life. Durable rubber contact pads help user avoid scratches. Ready to use on engines, radiators or condensers. Also ideal for moving fumes, odors or dust from under the hood. Includes 8 1/2-foot power cord with grounded plug, two convenient 120-volt receptacles with protective covers, instantly-adjustable air direction, circuit breaker protection, and a convenient carry handle.

BK **770-3698**



TOPSIDE CREEPER
Topside creeper suspends user over the top of the engine. Adjustable and foldable creeper is a must for working on 1/2-, 3/4-, and 1-ton trucks. Made of heavy-gauge steel and adjustable from 48" to 64" high.

BK **815-6245**



KING CRAWLER™ CREEPER
The King Crawler™ is 40" long with patented Full-Freedom X-Frame design that completely conceals the frame. This minimizes frame interference and maximizes mobility. The King Crawler has four giant 5" Casters for excellent mobility on imperfect surfaces. The high-gloss padded deck is very durable and easy to clean.

BK **815-6246**



PROGEAR WIDE BODY CREEPER
This ProGear Wide Body Creeper sets a new standard for form and function. One of the most comfortable and functional creepers on the market today.

- 400–lb. capacity
- Raised 3 in. thick padded head support
- Built-in Lumbar support
- Low 1 in. ground clearance
- Four 5 in. rubber swivel casters with axle bearings
- No assembly required
- 40" L x 21" W

BK **815-6249**



CREEPER SEAT W/ STORAGE DRAWER
- One-inch steel square frame for durability
- Two-inch deep drawer with roller bearing slides
- Swivel 3 1/2-inch ball-bearing rubber casters for quiet glide
- Convenient bottom tool storage tray
- Vinyl, foam-padded seat for comfort
- Meets California 93120 compliance for formaldehyde

Specifications

Caster Dimensions: 3 1/2" x 1 1/4"
Drawer Dimensions: 11" x 7" x 2"
Seat Height: 18 1/2"
Tray Dimensions: 12 1/2" x 11 1/2" x 1"
Weight Capacity: 300 lbs.

Item No.	Description
BK **815-6241**	Creeper Seat
BK **720-1272**	Replacement Casters (One Pair)



PNEUMATIC CREEPER SEAT
- Height adjusts from 17" to 22"
- 350-lb. capacity
- 3 1/2" swivel ball bearing rubber casters for quiet glide
- Large 17" diameter tool storage tray
- Dual-layered, vinyl foam-padded seat with reinforced metal base
- Meets California 93120 compliance for formaldehyde

Specifications

Low Height: 17"
High Height: 22"
Seat Diameter: 14"
Capacity: 350 lbs.
Tray Diameter: 17"
Caster Dimensions: 3 1/2" x 1 1/4"

Item No.	Description
BK **815-6242**	Creeper Seat
BK **720-1272**	Replacement Casters (One Pair)



DELUXE PNEUMATIC CREEPER SEAT
- Height adjusts from 16" to 21"
- 350-lb. capacity
- 3 1/2" swivel ball bearing rubber casters for quiet glide
- Large 17" diameter tool storage tray
- Padded high-rise seat for comfort
- Meets California 93120 compliance for formaldehyde

Specifications

Low Height: 16"
High Height: 21"
Seat Width: 17"
Capacity: 350 lbs.
Tray Diameter: 17"
Caster Dimensions: 3 1/2" x 1 1/4"

Item No.	Description
BK **815-6243**	Creeper Seat
BK **720-1272**	Replacement Casters (One Pair)



EVERCRAFT™

AIR CYLINDER CREEPER SEAT
Air cylinder enables easy height adjustment. Features large and convenient, 15-inch diameter steel tool tray and ball-bearing casters for ease of mobility. Meets California 93120 compliance for formaldehyde. Adjustable Height: 16-20 inches. Weight Capacity: 300 lbs.

Item No.	Description
BK **815-6269**	Creeper Seat
BK **720-1267**	Replacement Casters (one pair)

EVERCRAFT

CREEPER SEAT

Features four casters for mobility, sturdy storage tray and heavy-duty, tear-resistant foam seat. Meets California 93120 compliance for formaldehyde. Capacity: 200 lbs.



Item No.	Description
BK **815-6268**	Creeper Seat
BK **720-1267**	Replacement Casters (one pair)



3½-inch chrome racing casters



BIG BLUE CREEPER

One-inch, rugged steel tube construction with oversized frame for extra comfort. Features angled head design for extra clearance in tight areas. Stick shift, one-hand operation headrest adjustment system features five different positions. Rear drop-frame design offers extra leg comfort. Heavy-duty, 3½-inch chrome racing casters with rubber tread. Meets California 93120 compliance for formaldehyde. Weight Capacity: 250 lbs.

Item No.	Description
BK **815-5068**	Creeper
BK **720-1272**	Replacement Casters (One Pair)

EVERCRAFT



BK **815-6266**

BK **815-6267**

36 & 40 IN. CREEPERS

Features high-density, tear-resistant foam pad cover and 1.2mm steel frames. Meets California 93120 compliance for formaldehyde. 200 lbs. weight capacity for both.

Item No.	Description
BK **815-6266**	36" Creeper with 4 hooded, 2½" casters that feature race bearings and are oil-resistant
BK **815-6267**	40" Creeper with adjustable headrest and 6 hooded, 2½" casters that feature race bearings and are oil-resistant
BK **720-1267**	Replacement Casters (one pair)



42 IN. OVERSIZED CREEPER

Extra-long, extra-wide frame with adjustable headrest for comfort. Features foam-cushioned vinyl cover and durable powder-coated frame. Three-inch casters supply ease of mobility. Meets California 93120 compliance for formaldehyde. Dimensions: 42" x 19" x 4". Weight Capacity: 350 lbs.

Item No.	Description
BK **815-6271**	Creeper
BK **720-1318**	Replacement Casters (One Pair)



40 IN. PROFESSIONAL PLASTIC CREEPER

Low-profile design with side-recessed tool storage trays. Three-inch ball-bearing casters. Durable, impact-resistant plastic bed with padded headrest. Meets California 93120 compliance for formaldehyde. Weight Capacity: 300 lbs.

Item No.	Description
BK **815-6238**	Creeper
BK **720-1271**	Replacement Casters (one pair)

EVERCRAFT



40 IN. ECONOMY PLASTIC CREEPER

Plastic bed with padded headrest and three-inch casters.
Weight Capacity: 200 lbs.

Item No.	Description
BK **815-6270**	Creeper
BK **720-1271**	Replacement Casters (one pair)



CASTER SET

Heavy-duty, hooded casters are constructed of oil and grease-resistant polyurethane. Set of two.

Item No.	Description
BK **720-1267**	2½ inch
BK **720-1318**	3 inch



CASTER SET

Use with *BK* **815-6238** and *BK* **815-6270** creepers. One Pair. 3".

BK **720-1271**



HEAVY-DUTY CASTER SET

Use with *BK* **815-5068**, *BK* **815-6241**, *BK* **815-6242**, *BK* **815-6243**, Big Blue Creeper. One Pair. 3½".

BK **720-1272**

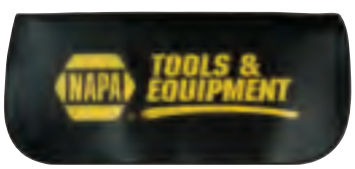
CARLYLE



PROFESSIONAL TECHNICIAN'S FENDER COVER

This professional mat helps prevent scratches to auto finishes. Grease-resistant non-slip vinyl wipes clean. Sewn-in tool tray. Unit dimensions 33.75" L x 24.25" W. Material type PVC.

BK **815-1328**



MAGNETIC FENDER COVER

Cover has six high-powered magnets for a sure grip. Expanded vinyl material, 110-gauge thick.

BK **815-1016**

FENDER COVER

Heavyweight fender cover with texture-grip back and leatherette binding. Thick, rugged, and professional cover provides the finest protection, and stays in place, even with engine at high rpm. Resists acid and grease, and has a convenient, sewn-in tool ridge. Washes clean with mild solvents or detergent. Imprinted with NAPA logo. Dimensions: 27" x 36". Color: Blue with NAPA logo.



BK **815-1013**

FENDER COVER

Strong, sturdy, and slip-resistant fender cover with handy ridged area for resting small tools and parts. Acid and grease resistant. Dimensions: 27" x 36". Color: Red with NAPA logo.



BK **815-1006**

FENDER COVER

Durable, lightweight fender cover at a reasonable price. Washable vinyl, with foam backing to hold it in place. Color: Blue with NAPA logo. Dimensions: 27" x 36".



BK **815-1017**

HEAVY-DUTY ULTRA RAMPS

Heavy steel construction with bracing for extra safety. Full 7.5-inch lift allows good working height beneath vehicle, even with creeper. Ideal for cars, trucks and vans. Exceeds USA safety standards. Maximum Support Capacity: 9,000 lbs. G.V.W. Maximum Support Height: 7.5". Maximum Tire Width: 9". Quantity: One pair.



BK **820-1206**

STANDARD ULTRA RAMPS

Heavy steel construction, ideal for cars and light trucks. Full 7.5-inch lift allows good working height beneath vehicle, even with creeper. Capacity: 6,500 lbs. G.V.W. Maximum Support Height: 7.5". Maximum Tire Width: 9". Quantity: One pair.



BK **520-1206**



BK **815-5001**



BK **815-5002**

CAR RAMPS

Enhanced structural design makes these ramps as strong as steel. Nestable design allows for maximum cube utilization. Widest ramps in the market with 17-degree incline for low-clearance vehicles. Skid resistant feet. One pair.

Part No.	Dimensions	Capacity
BK **815-5001**	13" W x 36" L	16,000 lbs.
BK **815-5002**	12" W x 36" L	12,000 lbs.

AUTOMOTIVE WHEEL CHOCKS

Specially designed, heavy-gauge tread plate prevents slippage on pavement, ice, or snow. All joints are mig welded. Ideal for cars, trucks, vans, trailers and RVs. Weight: 4¾ lbs. Quantity: One pair.



BK **730-3998**

Buyers A

RUBBER WHEEL CHOCK

Tough, reinforced-rubber construction makes this wheel chock practically indestructible. Resists sun, salt, oil and acid. Size: 5" W x 6" L x 5" H.



BK **730-5648**

No service contracts. No hauling or removal of solvent. No flash point.
You should never have to change your OzzyJuice® degreasing solution as long as you maintain your SmartWasher® properly & change your OzzyMat a minimum of every 30-days.

SmartWasher
BIOREMEDIATING parts washing system

MOBILE PARTS/BRAKE SMARTWASHER®



A bioremediating parts washer - fits every application with its' unique design, large sink size, mobility and amazing features. It includes an extra long angled brush/ hose for those hard to reach places and a standard fixed dolly with a footstep for those places hard to reach.

SW-23 Product Specifications

Inside Sink Dimensions: ..... 27" x 23" x 8"
Overall Dimensions: ..... 43" x 27" x 42"
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW-323**	Ships with SW-3 Truck Grade OzzyJuice & 1 OzzyMat.
SW **SW-423**	Ships with SW-4 Heavy Duty OzzyJuice & 1 OzzyMat.
SW **SW-623**	Ships with SW-6 Select Metals OzzyJuice & 1 OzzyMat.
SW **SW-723**	Ships with SW-7 High Temperature OzzyJuice & 1 OzzyMat.
SW **SW-823**	Ships with SW-8 Aircraft & Weapons OzzyJuice & 1 OzzyMat.

THE SIGNATURE SMARTWASHER®



A bioremediating parts washing system - fits every budget and has everything you need and then some: Toggle switch controls, a flow control timer, adjustable thermostat,and a super capacity pump.SW-25 Product

Specifications

Inside Sink Dimensions: ..... 26" x 17" x 8"
Overall Dimensions: ..... 39" x 29" x 40"
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW-325**	Ships with SW-3 Truck Grade OzzyJuice & 1 OzzyMat.
SW **SW-425**	Ships with SW-4 Heavy Duty OzzyJuice & 1 OzzyMat.
SW **SW-625**	Ships with SW-6 Select Metals OzzyJuice & 1 OzzyMat.
SW **SW-725**	Ships with SW-7 High Temperature OzzyJuice & 1 OzzyMat.
SW **SW-825**	Ships with SW-8 Aircraft & Weapons OzzyJuice & 1 OzzyMat.

THE SUPERSINK SMARTWASHER®



A bioremediating parts washing system – proving that bigger is better! This model is loaded with features and includes an extra large work surface for all jobs, large or small. A 2nd workstation can easily be added allowing two people to work at the same time.

SW-28 Product Specifications

Inside Sink Dimensions: ..... 41" x 26" x 8"
Overall Dimensions: ..... 47" x 38" x 42"
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW-328**	Ships with SW-3 Truck Grade OzzyJuice & 1 OzzyMat.
SW **SW-428**	Ships with SW-4 Heavy Duty OzzyJuice & 1 OzzyMat.
SW **SW-628**	Ships with SW-6 Select Metals OzzyJuice & 1 OzzyMat.
SW **SW-728**	Ships with SW-7 High Temperature OzzyJuice & 1 OzzyMat.
SW **SW-828**	Ships with SW-8 Aircraft & Weapons OzzyJuice & 1 OzzyMat.

THE SUPERSINK SMARTWASHER® XE



A bioremediating parts washing system - the biggest, the best, the works! This SuperSink SmartWasher XE is fully loaded: Toggle switch controls, a flow control timer, adjustable thermostat, super capacity pump, extra large work surface and two work/brush stations. A light kit and parts basket are also standard equipment with this model.

SW-28XE Product Specifications

Inside Sink Dimensions: ..... 41" x 26" x 8"
Overall Dimensions: ..... 47" x 38" x 42"
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW-328XE**	Ships with SW-3 Truck Grade OzzyJuice & 1 OzzyMat.
SW **SW-428XE**	Ships with SW-4 Heavy Duty OzzyJuice & 1 OzzyMat.
SW **SW-628XE**	Ships with SW-6 Select Metals OzzyJuice & 1 OzzyMat.
SW **SW-728XE**	Ships with SW-7 High Temperature OzzyJuice & 1 OzzyMat.
SW **SW-828XE**	Ships with SW-8 Aircraft & Weapons OzzyJuice & 1 OzzyMat.

MOBILE HEAVYWEIGHT SMARTWASHER®



A bioremediating parts washer - Tough enough for the big jobs, the SW37 has an enormous 1000 lb. load capacity, moves easily through the shop area on a mobile dolly or can stay in one place with locking casters and provides a large, oversized sink to accommodate multi-sized parts. This one-of-a-kind design also features interchangeable brush options and a brand new control assembly that is completely detachable for easy maintenance.

SW-37 Product Specifications

Inside Sink Dimensions: ..... 33" x 27" x 8"
Overall Dimensions: ..... 48" x 35" x 45"
Load Capacity: ..... 1000 lbs.

Item No.	Description
SW **SW-337**	Ships with SW-3 Truck Grade OzzyJuice and 1 OzzyMat.
SW **SW-437**	Ships with SW-4 Heavy Duty OzzyJuice and 1 OzzyMat.
SW **SW-637**	Ships with SW-6 Select Metals OzzyJuice and 1 OzzyMat.
SW **SW-737**	Ships with SW-7 High Temperature OzzyJuice and 1 OzzyMat.
SW **SW-837**	Ships with SW-8 Aircraft & Weapons OzzyJuice and 1 OzzyMat.

THE SMARTWASHER® COMBO BRAKE/PARTS WASHER



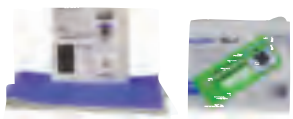
A bioremediating parts washing system - two full sized machines combined into one. This mobile unit has all of the great SmartWasher features - toggle switch controls, a flow control timer and adjustable thermostat - but also has both an electric operated pump/brush and air operated pump/brush. Dolly comes standard.

SW-25C Product Specifications

Inside Sink Dimensions: .....26" x 17" x 8"
Overall Dimensions: .....39" x 29" x 41"
Load Capacity: ..... 500 lbs.

Item No.	Description
SW **SW-325C**	Ships with SW-3 Truck Grade OzzyJuice & 1 OzzyMat.
SW **SW-425C**	Ships with SW-4 Heavy Duty OzzyJuice & 1 OzzyMat.
SW **SW-625C**	Ships with SW-6 Select Metals OzzyJuice & 1 OzzyMat.
SW **SW-725C**	Ships with SW-7 High Temp. OzzyJuice & 1 OzzyMat.
SW **SW-825C**	Ships with SW-8 Aircraft & Weapons OzzyJuice & 1 OzzyMat.

OZZYMAT™



The key component in the SmartWasher® System, the patented OzzyMat is designed to introduce our microbes (Ozzys) into the SmartWasher system and to help reduce excess clogging during its 30 days, or (1) month's use. It must be changed monthly which will keep the microbe (Ozzy®) colony healthy and keep your SmartWasher system working at peak performance *SW* **FL-4** - The Multi-Layer OzzyMat™ - designed for normal to heavy use applications. It has (4) white layers and (1) blue layer. The white layers on the mat are designed to trap any particulate larger than 50 Microns. Peel off one white layer each week. The blue layer provides support for the microbes (Ozzys) located in the mat. These microbes (Ozzys) migrate from the OzzyMat into the OzzyJuice®, located in your SmartWasher tank, and break down ("eat") hazardous waste. *SW* **FL-3** - The Single Layer OzzyMat™ - designed for light usage applications. It has (1) white layer and (1) blue layer. The white layer on the mat is designed to trap any particulate larger than 50 Microns. The blue layer provides support for the microbes (Ozzys) located in the mat. These microbes (Ozzys) migrate from the OzzyMat into the OzzyJuice®, located in your SmartWasher tank, and break down ("eat") hazardous waste.

SW **FL-4** Multi-Layer OzzyMat™
SW **FL-3** Single-Layer OzzyMat™

SmartWasher
bioREMEDIATING parts washing system

OZZYJUICE® DEGREASING SOLUTIONS



The award winning and patented OzzyJuice® cleaning solutions are pH neutral mixtures of emulsifiers and surfactants containing no solvents. They are blended in liquid form to produce biodegradable, non-toxic, non-caustic, non-flammable, and non-hazardous oil dispersants and degreasers. These aqueous based formulas contain no OSHA or DOT regulated chemicals, no known carcinogens, no ingredients requiring SARA Title III reporting, no RCRA hazardous waste chemicals and no items on the CERCLA hazardous substances list. Working hand-in-hand with the SmartWasher®, the world's best selling bioremediating parts washing system, the award winning, patented OzzyJuice® Degreasing Solutions can tackle the toughest parts cleaning applications around.



- Non-Polluting
- Non-Toxic
- Non-Corrosive
- Non-Flammable Certifications and Approvals: SCAQMD, NSF
- **For use in the ChemFree SmartWasher®**

Item No.	Description
SW **SW-1**	OzzyJuice® Degreasing Solution. (1) 5-gallon box for standard parts cleaning.
SW **SW-3**	Truck Grade OzzyJuice® Degreasing Solution. (1) 5-gallon box aggressive solution used for tough cleaning applications.
SW **SW-4**	Heavy-Duty OzzyJuice® Degreasing Solution. (1) 5-gallon box aggressive solution used for your toughest cleaning applications. Use at both low and high temperature settings with the same great result.
SW **SW-6**	Select Metals OzzyJuice® Degreasing Solution. (1) 5-gallon box strong solution for sensitive metals - copper, brass, aluminum, etc.
SW **SW-7**	High-Temperature OzzyJuice® Cleaning Solution. (1) 5-gallon box aggressive solution used for brakes or tough cleaning applications
SW **SW-8**	Aircraft & Weapons OzzyJuice® Degreasing Solution. (1) 5-gallon box of degreasing solution for sensitive aircraft and weapons metals.

USDA & AQMD CERTIFIED!

	OzzyJuice®					
(Contaminant)	Degreasing Solution **SW-1**	Truck Grade Degreasing Solution **SW-3**	Heavy Duty Degreasing Solution **SW-4**	Select Metals Degreasing Solution **SW-6**	Parts/Brake Cleaning Solution **SW-7**	Aircraft & Weapons Degreasing Solution **SW-8**
Crude Oil	Excellent	Excellent	Excellent	Good	Excellent	Good
Hydraulic Transmission Fluid	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Motor Oil	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Solder & Flux	Excellent	Good	Excellent	Good	Excellent	Good
Bearing Grease	Good	Excellent	Excellent	Good	Excellent	Good
Automotive Grease	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Resin Products	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Fifth Wheel Grease	Good	Excellent	Excellent	Good	Excellent	Good
Creosote	Excellent	Excellent	Excellent	Good	Excellent	Good
Impacted Grease	Good	Excellent	Excellent	Good	Excellent	Good
Animal Fat	Good	Excellent	Excellent	Fair	Good	Fair
Automotive Varnish	Excellent	Good	Good	Good	Excellent	Good
Burned-On Carbon	Excellent	Good	Excellent	Good	Excellent	Good
Cutting Oils	Excellent	Good	Good	Good	Good	Good
Ink/Toner	Excellent	Fair	Good	Fair	Good	Fair
Asphalt	Good	Good	Good	Fair	Good	Fair

OZZYBOOSTER®



OzzyBooster® is a microbial enhancer that customers can use to boost microbial activity or increase the amount of microbes working in the SmartWasher®. It contains new microbes and nutrients that expand the available "territory" in which the microbes can eat and breed. Add entire container of OzzyBooster™ directly into the base of the SmartWasher® system.

SW **3100-OZBST-250**

NEUTRALIZER



The Ozzy® Neutralizer can take care of any odor that you may have in your SmartWasher®. It is green apple scented and can cover up any smell that might be coming from the dirty, grimy, smelly parts you are cleaning. Add the entire 4 oz. container directly into your SmartWasher®.

SW **3335-SCENT-4**

AUTOMATIC FRONT-LOAD SPRAY CABINET



Large, 70-gallon capacity part washing system has four casters for complete mobility, 40-inch inside working height, and 30-inch friction-driven turntable that will not break due to lodged parts. Adjustable, 0-60 minute heat timer allows you to keep solution hot overnight. 12-inch stainless steel disk skimmer can tell the difference between oil and solution, while the 12-inch disk keeps solution cleaner and longer lasting. Stainless steel, gasket-free front door offers maintenance-free operation, and center spray bar folds down providing easy access when cleaning smaller parts. Two heaters supply 9.0 KW heating capacity, while liquid level sensor automatically turns heaters off before they burn out. Also features removable tree rack, high-volume 3.0 HP pump with stainless steel impeller, 500 lb. weight capacity, and stainless steel nozzles for lower maintenance costs.
Dimensions: 50" L. x 42" W. x 65" H. Voltage: 230V/60Hz/1Ph.
Amps: 60. Weight: 1,070 lbs.

Item No.	Description
BK **392-1105**	Automatic Front-Load Spray Cabinet
BK **393-1017**	Aluminum Safe Detergent
BK **393-1018**	Defoamer
BK **393-1019**	Rust Inhibitor

AQUEOUS HEATED PARTS WASHER



Parts washer and fluid reservoir are built to last with heavy-duty, rotational molded plastic. Corrosion-resistant, heavy-duty pump features adjustable fluid control spigot and flow-thru brush. Parts washer can also be removed from fluid reservoir in minutes for easy servicing. Reservoir is engineered to provide excellent tank stability, while filter system (cartridge *BK* **770-3691**) prolongs fluid life. Includes ground fault circuit interrupter for added safety. Heater, pump, thermostat, and fluid level sensor are mounted in reservoir for easy access and service. Other features include: Automatic thermostat preset to 110° F, low level fluid sensor, heavy-duty door closure assembly with fusible link, and dual heater and pump switches. Optional version oil skimmer (*BK* **393-1007**) also available.
Volts: 115V/60Hz/1Ph/15 Amps. Operating fluid capacity: 25-30 gallons.
Overall dimensions: 42" L. x 38" H. (35" W. w/reservoir).
Tank dimensions: 26" W. x 36" L. x 10" D. Weight: 170 lbs. CSA approved.

Item No.	Description
BK **393-1006**	Parts Washer
BK **393-1007**	Parts Washer w/Oil Skimmer
BK **770-3691**	Filter System Replacement Cartridge
BK **393-1015**	Water-Based Degreaser, 5 gal.
BK **393-1016**	Water-Based Degreaser, 55 gal.

AUTOMATIC TOP-LOAD SPRAY CABINET



Requires no more floor space than standard 30-gallon, drum-mounted part washers. Large 24-inch turntable, with 23-inch inside working height. Large, 32-gallon reservoir and friction turntable drive. Liquid level sensor and moveable top arm for easy loading and unloading. Adjustable, 0-60 minute cycle timer. High-volume 1.0 HP pump with stainless steel impeller, one heater with 4.5 KW heating capacity. Stainless steel, gasket-free lid for maintenance-free operation.
Dimensions: 36" L. x 34" W. x 50" H.
Voltage: 230V/60Hz/1Ph. Amps: 30. Weight: 416 lbs.

BK **392-1103**

80 GAL. AGITATING HEATED AQUEOUS PARTS WASHER



Designed to last the ultimate in heated aqueous parts cleaning. Heavy-duty automated lift platform rises out of solution for easy loading and unloading of parts. Adjustable agitation stroke is engineered for trouble-free parts cleaning.

Specifications

Pump Voltage:..... 115V/60Hz/1Ph/1 Amp
Heater Voltage:..... 230V/60Hz/1Ph/1 Amp
Load Capacity:..... 250 lbs.
Overall Dimensions: ..... 52½" L. x 34" W. x 66½" H.
Platform Dimensions:..... 42½" L. x 17½" W.
Weight: ..... 556 lbs.

Item No.	Description
BK **393-1009**	250 lb. Load Capacity
BK **393-1017**	Aluminum Safe Detergent

FOUNTAIN INDUSTRIES

AQUEOUS PORTABLE BRAKE WASHER



Ideal for brake cleaning applications with easy waste disposal. Convenient, safe, and OSHA's preferred method of controlling brake dust. Flow-thru brush with fluid adjustment valve, and convenient, flexible metal spigot make your job fast and easy. Dual filtration system ensures clean solution at all times, and 15-gallon heavy-duty drum offers stability and long life. Designed for easy servicing—basin can be removed from drum in minutes! Can also be used as a portable part washer. Other features include On/Off valve, heavy-duty drum dolly with two locking/two regular casters, heavy-duty air pump, and standard adjustable pressure regulator.
Fluid capacity: 8-12 gallons. Overall dimensions: 28" W. x 28" L. x 41" H. Basin dimensions: 20" W. x 24" L. x 7" D. Weight: 50 lbs.
BK **393-1000**

AQUEOUS HEATED PARTS WASHER



The ultimate parts cleaner! Designed for non-flammable, water-based cleaning solutions. Ground fault circuit interrupter for added shock-resistance. Filter system prolongs fluid life. Heavy-duty pump is corrosion-resistant, and heavy-duty, roto-cast thermoplastic cleaning basin provides large cleaning capacity. Two removable stainless steel shelves. Soaking capacity up to 30 gallons. Spigot with fluid control valve. Heater thermostatically controlled to 110 degrees. Heavy-duty door closure assembly with fusible link. Low level fluid sensor. Mechanical agitation with 15 spray heads and fluid control valve. Dual heater and pump switches. Flow-thru brush with adjustable fluid control. Optional version oil skimmer (*BK* **393-1005**) also available.
Overall dimensions: 26" W. x 45" L. x 37½" H.
Tank dimensions: 26" W. x 36" L. x 18" D. Weight: 155 lbs.
Voltage: 115V/60Hz/1Ph/12 Amps.

Item No.	Description
BK **393-1004**	Aqueous Parts Washer
BK **393-1005**	Aqueous Parts Washer w/Built-In Oil Skimmer
BK **770-3691**	Filter System Replacement Cartridge
BK **392-1102**	Pre-Pump Filter System for *BK* **393-1004**

30 GAL. SOLVENT PARTS WASHER



This clean and soak solvent parts washer is ideal for use in service stations, garages, tool shops, laboratories, inspection departments, or any service/repair facility. Designed for heavy-duty cleaning as well as normal day to day cleaning jobs. Durable baked on powder coated epoxy finish with heavy-duty spring loaded door closure assembly with fusible link.
Voltage: 115VAC/60Hz/1Ph/1 Amp.
Weight: 133 Lbs.

Item No.	Description
BK **823-2901**	Parts Washer
BK **770-2324**	Light
BK **770-6845***	Sludge Filter Pad
BK **770-6854**	Metal Parts Basket
BK **770-9730**	Flexible Spigot

Included with Parts Washer.

INDUSTRIAL DRUM-MOUNTED PARTS WASHER



30-Gallon solvent parts washer built to last for years of reliable service. Equipped with flow-through brush and "stay put" flexible spigot that directs and holds power rinse where you want it. Durable baked on powder-coated epoxy finish and heavy-duty spring loaded door closure assembly.

Specifications

Overall Dimensions:..... 34½" L. x 26½" W. x 63" H.
Inside Dimensions:..... 32" L. x 24" W. x 7½" H.
Weight: ..... 68 Lbs.
Inside Tank Width:..... 24"
Inside Tank Depth:..... 7½"

Item No.	Description
BK **823-2914***	30 Gallon Parts Washer
BK **827-1095**	Filter System, sold separately
BK **770-3690**	10 Micron Replacement Filter for *BK* **827-1095**
BK **770-3691**	50 Micron Replacement Filter for *BK* **827-1095**
BK **770-6866**	30 Gallon Barrel Liner

Barrel not included.

TABLE TOP AQUEOUS PARTS WASHER



Table top aqueous parts washer non-heated. Equipped with flow-through brush which works great for cleaning small parts.

Specifications

Fluid Capacity: ..... 5 Gallons
Voltage: ..... 115V/60Hz/1Ph/1 Amp
Tank Dimensions:... 19½" J. x 14" W. x 7½" H.
Overall Dimensions: ... 22" L. x 16" W. x 24" H.
Weight: ..... 20 Lbs.
BK **393-1003**

FOUNTAIN INDUSTRIES



SORBENT PADS

Absorbent pad for quick clean up of oil and petroleum-based products. Kleentec's pads are capable of absorbing 20 times their weight in a matter of seconds. The 100% needle-punched, polypropylene pad is efficient and convenient to use. Absorbs oil, but not water! Extremely versatile sorbent pad is great for use in machine shops, fabrication plants, automotive repair centers, dealerships, industrial plants, maintenance shops, and marinas, as well as warehouses and loading docks. Dimensions: 18" x 18". 25 per box.

BK **392-1100**

FOUNTAIN INDUSTRIES



HEAVY-DUTY WATER-BASED DEGREASER

Aqueous, non-hazardous cleaning degreaser for a range of industries. Quickly removes grease, oil and other organic deposits, including ink. Non-soy formulation and advanced corrosion protection.

Item No.	Description
BK **827-2543**	1 gal.
BK **393-1015**	5 gal.
BK **393-1016**	55 gal.

FOUNTAIN INDUSTRIES



DEFOAMER

Effectively controls foam in individual spray cabinets and agitated hot tanks. Does not inhibit cleaning action. Defoams at temperatures over 130° F. Contains no residue-causing silicone. Requires very low usage amounts. Concentrated, non-silicone.

BK **393-1018** 1 gal.

FOUNTAIN INDUSTRIES



RUST INHIBITOR

Provides rust protection for short-term storage. Provides in-process rust protection on iron, steel, or yellow metal. Creates no undissolved particles to plug spray nozzles. Concentrated for low-cost protection. Liquid inorganic. Five gallon.

BK **393-1019** 5 gal.

Mac's®



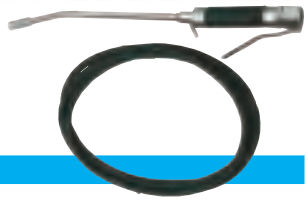
NAPA® PARTS WASHER SOLVENT

A fast-acting, ready-to-use solvent blend designed for recirculating parts washer equipment. For engines, machinery, metal parts and floors. Excellent for use in recirculating parts washers. Super-concentrated soap must be diluted.

MAC **6510** 5 gal.

CLEANING SPRAY GUN

An improved spray unit for applying kerosene or other cleaning solvents with compressed air. Removes dirt, grease and oil from engine, parts, motors, generators and machinery.



Item No.	Description
BK **715-1530**	Spray Gun
BK **715-9574**	8 ft. Neoprene Fluid Hose

Homak



TSS **RD00820310**



TSS **RD00840450**

20 & 40 GALLON PARTS WASHERS

- Flexible nozzle
- Solid steel design that won't leak
- Fusible linked lid arm to prevent accidental injury in case of fire
- Electric pump included
- Pump ON/OFF switch
- Removable work surface tray
- Equipped with a drain plug for easy cleaning

Item No.	Gallon Size	Width	Depth	Height	Weight
TSS **RD00820310**	20 Gal.	29 15/16"	21 1/4"	34 5/8"	51 lbs.
TSS **RD00840450**	40 Gal.	46 7/8"	22 7/8"	36 3/4"	93 lbs.

Homak



3.5 GALLON PARTS WASHER

- Flexible nozzle
- Solid steel design that won't leak
- Fusible linked lid arm to prevent accidental injury in case of fire
- Electric pump included
- Pump ON/OFF switch
- Removable work surface tray

Item No.	Width	Depth	Height	Weight
TSS **RD00803180**	17"	13 1/2"	9"	15 lbs.

HEAVY-DUTY PARTS CLEANING BRUSH



For use with or without a parts washer. Heavy-duty, flow-through parts cleaning brush with nylon bristles. Attachable to any 1/2-inch parts washer spigot.

BK **760-1491**



PARTS CLEANING BRUSH
Brush removes grease and dirt from automotive parts. Strong wooden handle with durable polypropylene bristles will hold up under repeated use in cleaning solvents. Handle Length: 7". Brush Length: 11".
SER **242**



PARTS CLEANING BRUSH
Heavy-duty bristles can be used with most solvents, and will not collapse. Ideal for cleaning hard-to-reach areas.
BK **776-9077**



METAL ACID BRUSH
1/4" x 3/4" x 6".
BK **760-1441**



WIRE ACID BRUSH
Stiff black horsehair secured in twisted wire. 1/2" x 1 3/4" x 7 1/2".
BK **760-1440**



TABLE TOP ABRASIVE CABINET
- Included light for better work visibility
- Extra PVC window protectors included
- Replaceable work gloves
- Media release plug
- 4 ceramic nozzles include

Item No.	Width	Depth	Height	Weight
TSS **RD00920250**	23"	19"	19 1/4"	38 lbs.



VERTICAL ABRASIVE CABINET
- Included light for better work visibility
- Extra PVC window protectors included
- Replaceable work gloves
- Media release door
- 4 ceramic nozzles include

Item No.	Width	Depth	Height	Weight
TSS **RD00924380**	36 5/8"	23 1/4"	52 5/8"	107 lbs.



COMBO PIPE AND BENCH VISES
Fully Enclosed Design:
- Extends the life of the vise by protecting all internal components and keeping out dust and debris. Lifetime lubricated and permanently sealed for trouble free service

60,000 PSI Ductile Iron Body:
- Virtually indestructible with 2X the strength of grey casted vises

Precision Slide Bar:
- Keyed for a .003" fit, eliminating movement in the front jaw regardless of opened distance

Longer Spindle Nut:
- 3X longer and 2X thicker, ensures a lifetime of smooth spindle movement and straight line pull

Larger Anvil:
- 2X larger than the average anvil. Designed to take a beating while forming and shaping materials

4 Bolt Mounting Pattern:
- 4 bolt pattern sturdier than industry average 3 bolt pattern, maximizing stability during use

Self Centering Pipe Jaws:
- Hold up to 6" pipe safely and securely
- Great for irregularly shaped objects

Deep Throat Style:
- Up to 50% added depth to meet tough job requirements requiring large capacity

Ideal For:
- Plant Maintenance
- Oil Field Service
- Heavy Construction
- Mechanical Trades
- Steel Fabrication
- Made in the U.S.A.
- Lifetime Warranty

NOTE: The all weather vise is the same as combo pipe vise with rust inhibitive features. Meets federal spec # GGGV410a, Type IV.

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
COMBO PIPE AND BENCH VISE – SWIVEL BASE					
JET **10200**	3 1/2"	5"	4 1/2"	1/8" – 2 1/2"	51 lbs.
JET **10225**	4 1/2"	6"	4 3/4"	1/8" – 3 1/2"	78 lbs.
JET **10250**	5"	7"	5 5/16"	1/8" – 4 1/2"	100 lbs.
JET **10275**	6"	9"	6 5/8"	1/4" – 6"	204 lbs.
ALL WEATHER COMBO PIPE AND BENCH VISE – SWIVEL BASE					
JET **10400**	3 1/2"	5"	4 1/2"	1/8 – 2 1/2"	51 lbs.
JET **10500**	4 1/2"	6"	4 3/4"	1/8 – 3 1/2"	79

Replacement Parts	
JET **2904960**	Serrated Jaw Inserts for *JET* **10200**
JET **2905000**	Serrated Jaw Inserts for *JET* **10225**
JET **2903240**	Serrated Jaw Inserts for *JET* **10250**
JET **2907370**	Serrated Jaw Inserts for *JET* **10275**
JET **2907600**	Pipe Jaws for *JET* **10200**
JET **2900770**	Pipe Jaws for *JET* **10225**
JET **2900830**	Pipe Jaws for *JET* **10250**

TRADESMAN INDUSTRIAL VISES

Features

Steel Pipe Jaws:
- Fixed jaws hold up to 3½" pipe safely and securely
- Great for irregularly shaped objects

Max Jaw Capacity:
- Up to 7" jaw opening for jobs demanding maximum holding capacity

Reversible Jaw Inserts:
- Standard serrated jaws for extra grip or smooth to prevent marring on softer surfaces

Ideal For:
- Tradesmen
- Automotive
- Construction Sites
- Metal Fabrication
- Service and MRO
- Utility
- Made in the U.S.A.
- Lifetime Warranty



Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **63199**	4½"	4"	3¼"	¼" – 2½"	42 lbs.
JET **63200**	5½"	5"	3¾"	¼" – 3"	52 lbs.
JET **63201**	6½"	6½"	4"	¼" – 3½"	71 lbs.
JET **63202**	8"	7"	4¾"	⅛" – 3½"	111lbs.

Replacement Parts	
JET **2908060**	Serrated Jaw Inserts for *JET* **63199**
JET **2908070**	Serrated Jaw Inserts for *JET* **63200**
JET **2908080**	Serrated Jaw Inserts for *JET* **63201**
JET **2908100**	Serrated Jaw Inserts for *JET* **63202**
JET **2904200**	Pipe Jaws for *JET* **63199**, *JET* **63200** and *JET* **63201**
JET **2908050**	Pipe Jaws for *JET* **63202**

MECHANICS BENCH VISES

Features

30,000 PSI Ductile Iron Body:
- Heavy-duty castings are built for rugged use and extended life

Lifetime Lubrication:
- Grease is permanently sealed in for trouble-free service

Ideal For:
- Professional Mechanics
- Automotive Maintenance
- Maintenance and Repair
- Lifetime Warranty



Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Weight
JET **21300**	4"	4½"	3⁷/₁₆"	¼" – 2"	36 lbs.
JET **21400**	5"	5¼"	3¾"	¼" – 2½"	53 lbs.
JET **21500**	6"	5¾"	4⅛"	¼" – 3½"	69 lbs.
JET **21800**	8"	8¼"	4¾"	¼" – 3½"	92 lbs.

Replacement Parts	
JET **21300-03**	Serrated Jaw Inserts for *JET* **21300**
JET **21400-03**	Serrated Jaw Inserts for *JET* **21400**
JET **21500-03**	Serrated Jaw Inserts for *JET* **21500**
JET **21800-03**	Serrated Jaw Inserts for *JET* **21800**
JET **21500-04**	Pipe Jaws for *JET* **21500**
JET **21800-04**	Pipe Jaws for *JET* **21800**

REVERSIBLE MECHANICS BENCH VISES

Features

30,000 PSI Ductile Iron Body:
- Heavy-duty castings are built for rugged use and extended life

Pipe Jaws:
- Built-in steel jaws handle pipe from ⅛"– 3"

Dual Anvils:
- Two working anvil surfaces for forming and shaping materials

Hardended Steel Jaws:
- Jaw opens to an incredible 11¾" when reversed
- Furnished with a serrated pattern to insure strength and long life

Ideal For:
- Professional Mechanics
- Automotive Maintenance
- Maintenance and Repair
- Lifetime Warranty



Item No.	Jaw Width	Maximum Opening Reversed	Throat Depth Reversed	Pipe Jaw Capacity	Net Weight
JET **14500**	5½"	6" / 9¾"	3¾" / 2¾"	¼" – 2"	48 lbs.
JET **14600**	6½"	8" / 9¾"	4" / 3"	⅛" – 3½"	50 lbs.
JET **14800**	8"	9½" / 11¾"	5" / 2¾"	⅛" – 4½"	81 lbs.

Replacement Parts	
JET **14500S41**	Serrated Jaw Inserts for *JET* **14500**
JET **14600S03**	Serrated Jaw Inserts for *JET* **14600**
JET **14800S03**	Serrated Jaw Inserts for *JET* **14800**

MULTI-PURPOSE VISE

Features

Rotating Head:
- Great for clamping material at any angle

V-Jaw:
- Holds 1"- 3" diameter round stock vertically

Indexing:
- 90° left and right for quick setup

Large Anvil:
- Built-in anvil for flat shaping

Ideal For:
- General Purpose
- Light Tradesman
- Utility and MRO
- Lifetime Warranty



Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **69999**	5"	5¼"	3"	⅜" – 3"	46 lbs.

Replacement Parts	
JET **69999S41**	Serrated Jaw Inserts for *JET* **69999**
JET **21400-03**	Serrated Jaw Inserts for *JET* **21400**

Ken-Tool
WHEREVER TIRES ARE CHANGED™

PROFESSIONAL VISES



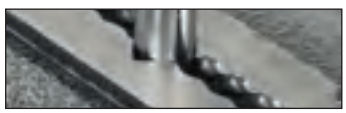
Features

- Base swivels 360°
- Machined base plate for smooth swiveling
- Gear-type locking system with doublelock-down bolts
- Heavy-duty jaw beam covers screw
- Built-in anvils

"V" notched, replaceable/reversible jaws made of carbon steel and heat-treated for extra strength, diamond cut on one side, smooth on the other.



Built-in pipe jaws



Jaw faces have "V" notches for vertical gripping



SPC **64055**



SPC **64065**

With high quality construction for extra durability and full-strength performance at any jaw opening, these vises are made for the professional - strong, durable, and built to last. Made in China to Ken-Tool's designs and specifications.

Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64055**	5 1/2" 14 cm	7 1/2" 19.1 cm	3 1/4" 8.3 cm	1/8" - 2 1/2" .3 - 6.4 cm	27 lbs. 12.3 kg.
SPC **64065**	6 1/2" 16.5 cm	9 1/2" 22.9 cm	3 7/8" 9.8 cm	1/8" - 3 1/2" .3 - 8.9 cm	38 lbs. 17.3 kg.

IRWIN

VG **226306ZR**



HEAVY-DUTY WORKSHOP VISES

- Swivel base for easy positioning
- Anvil for forming and shaping
- Integral pipe jaws

Item No.	Vise Size	Jaw Opening	Throat Depth	Weight
VG **226304ZR**	4"	4 1/4"	2 1/2"	24 lbs.
VG **226305ZR**	5"	6 1/2"	3 3/8"	38.75 lbs.
VG **226306ZR**	6"	8 3/4"	3 3/8"	58.75 lbs.



IRWIN

3 IN. CLAMP-ON WORKSHOP VISE

- Performance of traditional vise with added portability
- Integral 3" pipe jaws

Item No.	Vise Size	Jaw Opening	Throat Depth	Weight
VG **226303ZR**	3"	2"	3"	3.75 lbs.

Ken-Tool
WHEREVER TIRES ARE CHANGED™

PROFESSIONAL REVERSIBLE MECHANIC'S VISES

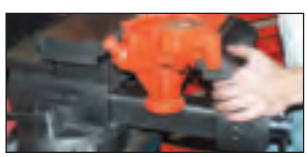
With our Reversible Vises you get all the high quality features and rugged durability of the Pro Workshop Vises, and more! Significantly increase your gripping capacity when you reverse the position of the front jaw. Made in China to Ken-Tool's designs and specifications.



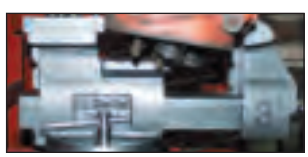
Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64650**	6 1/2" 16.5 cm	9" - 12" 22.9-30.5 cm	4" 10.1 cm	1/8" - 4" .3 - 10.1 cm	52 lbs. 23.6 kg.



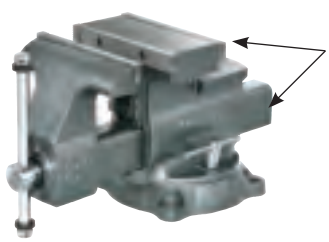




Standard Position



Reverse Position

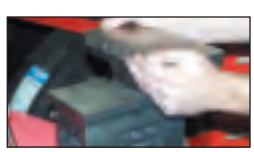


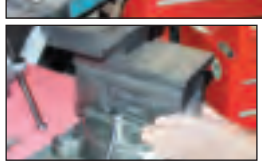
Two built-in anvils provide more work surface area than any other vise

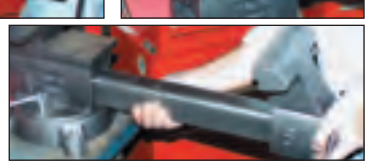
Item No.	Jaw Width	Jaw Opening	Throat Depth	Pipe Jaw Capacity	Weight
SPC **64800**	8" 20 cm	11" - 14" 28 - 35.6 cm	4 7/8" 12 cm	1/8" - 4 1/4" .3 - 10.8 cm	74 lbs. 34 kg.

Simple to use. Remove the jaw from the front of the base, swivel the base 180°, then re-insert the jaw.









CLAMP-ON VISE



Features

Double Steel Guide Bars:
- Insures parallel alignment of pipe jaws for consistent holding pressure

Cast Jaws:
- Holds workpiece firmly

Portable:
- Vise can quickly and easily be transferred to new work station

Ideal For:
- General Purpose
- Light Tradesman
- Woodworking
- Lifetime Warranty

Item No.	Jaw Width	Maximum Opening	Net Weight
JET **33150**	3"	2 1/2"	4 lbs.

GENERAL PURPOSE VISES



Features

Vise Body:
- Made from high strength steel

Jaw Faces:
- Diamond serrated for positive gripping

Base:
- Swivel base with double lock down

Anvil:
- Built-in anvil for flat shaping

Ideal For:
- Light Duty Use
- General Purpose
- Home Shop
- Weekend Projects
- Lifetime Warranty

Item No.	Jaw Width	Maximum Opening	Throat Depth	Net Weight
JET **11104**	4"	4"	2 1/4"	16 lbs.
JET **11105**	5"	5"	2 1/2"	27 lbs.
JET **11106**	6"	6"	3"	39 lbs.

HOLD IT MAGNETIC VISE JAWS



Fits all vises. Made from rigid aluminum construction. Two rare neodidium magnets on one side. Holds sockets, screws, rings, C-clips and springs for repair projects. Holds threaded steel objects rigid without damage to threads. Makes removal of U-joints a one-man operation.

SER **HE3**

UTILITY VISES

Ideal for any job.



Features

Replaceable Steel Jaws:
- Furnished with a serrated pattern to insure strength and long life

Large Anvil:
- Designed to take a pounding while forming and shaping materials

180° Locking Swivel Base:
- Single lock down provides quick and easy positioning
- Lifetime Warranty

Ideal For:
- General Purpose
- Light Tradesman
- Utility and Service
- Automotive

Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **11126**	4 1/2"	4"	2 5/8"	1/8" – 2"	19 lbs.
JET **11127**	5 1/2"	5"	3 1/4"	1/8" – 2 1/2"	29 lbs.
JET **11128**	6 1/2"	5 1/2"	3 13/16"	1/8" – 2 1/2"	42 lbs.
JET **191**	6 1/4"	6"	4 3/8"	1/8" – 3"	63 lbs.
JET **11800**	8"	7 1/2"	4 1/2"	1/8" – 3"	86 lbs.

Replacement Parts	
JET **76654S41**	Serrated Jaw Inserts for *JET* **11126**
JET **11127S41**	Serrated Jaw Inserts for *JET* **11127**
JET **11128S41**	Serrated Jaw Inserts for *JET* **11128**
JET **11106S41**	Serrated Jaw Inserts for *JET* **191**
JET **2904130**	Serrated Jaw Inserts for *JET* **11800**

CAM ACTION DRILL PRESS VISES



- Simple push or pull on the center bar knob sets the jaw in position
- Easy press locking lever cams the jaw ahead 3/32", exerting a holding pressure that is adjustable from 400 to 1100 lbs.
- Base is designed for clear through drilling applications
- Unique top locking lever can be raised or lowered to tighten or loosen against the work piece.
- Lifetime Warranty

Item No.	Jaw Width	Jaw Opening	Jaw Depth	Net Weight
JET **13401**	4"	4 11/16"	1 5/16"	18 lbs.
JET **13402**	6"	6 3/16"	1 13/16"	35 lbs.

ATV® ALL-TERRAIN VISES

Secure it in your hitch or mount in it your bench.

Features

Drive Tight Set Screws:
- Patented set screws adjust to provide a tight fit in the hitch and reduce vibration while driving
- 360 Locking Handle
- Secures the handle while driving or repositions it while working

Pipe Jaws:
- Pipe jaws clamp round objects up to 3

Replaceable Jaws:
- Includes a V-groove for vertical clamping of round objects

Large Striking Anvil:
- Large striking anvil for forming and shaping materials.

Mounting Bracket Included on *JET* 10010:
- Can be mounted on a bench or trailer for even greater versatility
- Fits 2" Hitch, hitch pin included
- Carrying handle
- Lifetime Warranty

Ideal For:
- Construction
- Automotive
- Farm and ranch
- Off roaders



Item No.	Jaw Width	Maximum Opening	Throat Depth	Pipe Jaw Capacity	Net Weight
JET **10025**	5"	6"	4.25"	7/8" - 3"	25.5 lbs.
JET **10010**	6"	5 3/4"	5"	3/4" - 3"	34 lbs.
JET **10300**	Mounting Bracket				6 lbs.



GENERAL PURPOSE DRILL PRESS VISES

- Lifetime Warranty

Standard Drill Press Vise
- 4" Jaw width opens to a maximum of 4 1/2"
- Grooved jaws provide a firm, secure grip on your work material
- Elongated holes for easy fastening onto drill presses or work surfaces

Standard Three-Sided Drill Press Vise
- Precision grinding of sides and front side face permits additional mounting positions for drilling, tapping or reaming
- Combining a smooth movable jaw plate with a cross-patterned 90° V groove stationary jaw.
- This vise is recommended for general use.

Item No.	Jaw Width	Jaw Opening	Jaw Depth	Net Weight
Standard Drill Press Vise				
JET **12860**	3"	3 1/8"	1 3/4"	10 lbs.
Standard Three-Sided Drill Press Vise				
JET **69997**	4"	4 1/2"	1 1/2"	7 lbs.



HYDRAULIC SHOP PRESSES

JET's Hydraulic Shop Press line consists of a 5, 15 and 35 ton hydraulically powered H frame press. Each machine is built using heavy steel plate that is electro welded together, and comes standard with industrial grade hydraulics. These machines are for the serious fabrication and machine shop owner who demands only the best quality from his operation.

Features
- For pressing, bending and straightening operations
- Easy-to-use, hand-operated with pressure gauge for direct pressure readings
- Tables raise and lower easily with use of hand crank on the 15 and 35-ton models
- Side frames are open for inserting long material
- Fast setup ram extension screw
- Ram moves laterally for added versatility (15-ton and 35-ton models)

Standard Equipment:
- Two bed plates and pump handles
- Straightness testing support uses centers or v-blocks on the 15-, 35-ton models

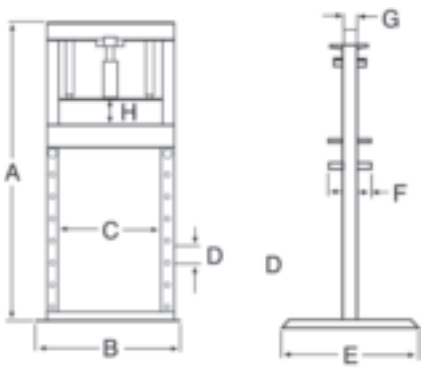
Item No.	*JET* 331406	*JET* 331416	*JET* 331431
Capacity (tons):	5	15	35
Ram Diameter (in.):	1 3/4	2 1/2	3
Piston Stroke (in.):	4	4 1/2	4 3/4
Screw Stroke (in.):	3	3 1/8	4
Work Table Size (in.):	19 x 5 1/2	24 3/4 x 7 1/2	31 x 10 3/8
Lateral Movement (in.):	N/A	10 3/16	15
Vertical Table Travel (in.):	15 3/4	22 3/16	23 5/8
Overall Dimensions (in./ L x W x H)	24 x 26 x 52	34 x 30 x 66	43 x 34 x 69
Net Weight (lbs.)	192	435	783

NAPA PROFESSIONAL LIFTING EQUIPMENT

12- & 20-TON HYDRAULIC PRESSES

Features

- Heavy-duty return springs for fast ram retraction
- Hydraulic power unit included
- Reinforced head plate
- Bed plates and bearing punch included as standard equipment





Specifications

Item No.	Capacity	A	B	C	D	E	F	G	H. min.	H. max.	Stroke	Weight
NLE **520-5000**	12 Ton	61½"	23¾"	20"	5⅛"	26"	8¾"	5"	3¾"	36"	6⅛"	190 lbs.
NLE **520-5001**	20 Ton	64½"	30"	24½"	4½"	26"	11"	7"	1½"	33	6"	265 lbs.

AmerEquip HD



100 TON ELECTRO/HYDRAULIC OPERATED SHOP PRESS

Press Frame Features

Same features as the *BK* **396-5009** but with the added convenience of a 110 volt, 10,000 PSI, UL approved electric pump and 4 position switch pendant with 10 foot cord. Switch pendant includes hand operated push button controls that turn the press on and off and presses and releases the work load.

Specifications

Capacity ..... 100 Tons
Ram Travel..... 7"
Throat Height (Min./Max.)..... 5.5"/30"
Throat Width ..... 36"
Bed Height Adjustment (Qty./In.).....6 @ 5" apart
Between Bed Rails ..... 12"
Base Width ..... 46"
Base Depth ..... 48"
Overall Height..... 78"

Item No.	Operation	Shipping Weight
BK **396-5010**	Electro/Hydraulic	1,550 Lbs.

AmerEquip HD



Air/Hydraulic
BK **396-5221**



50 TON HYDRAULIC SHOP PRESSES

- All-welded frame construction with sliding head for multiple work positions
- Optional holes for stationary mounting
- Pre-drilled for installation of optional protector shield and ability to mount hydraulic pump to either side of frame

Manual/Hydraulic
BK **396-5220**

- 10,000 PSI pump easily produces maximum load rating
- Pump includes overload valve so press cannot be used beyond its rated capacity
- Glycerine filled hydraulic gauge protects against shock load and measures US and metric tons of force applied to component(s) pressed
- 1⅞" diameter ram accepts optional press kit components and includes dual spring retraction when load is released
- Winch with non-slip safety clutch and solid steel cable rollers for easy raising and lowering of press bed
- Pair of zinc plated bed plates, 4 zinc plated bed support pins and 1⅞" diameter low profile punch included

Specifications

Capacity ..... 50 Tons
Ram Travel..... 6"
Throat Height Min..... 5.25"
Throat Height Max..... 30.5"
Throat Width ..... 34"
Bed Height Adjustments .....7 @ 5" apart
Distance Between Bed Rails ..... 8.25"
Base Width ..... 35"
Base Depth ..... 29.75"
Overall Height..... 74"
Press Net Weight..... 621 lbs.

BK **396-5220** Manual/Hydraulic Shop Press, Weight 621 lbs.
BK **396-5221** Air/Hydraulic Shop Press, Weight 620 lbs.

AmerEquip HD

30 TON MANUAL HYDRAULIC SHOP PRESS



- Heavy gauge welded steel frame. Built in the USA
- 7,703 PSI Dual Stage Pump. Piston extends ram to work quickly
- Complies with ASME ASP-2010 Test Standards
- Heavy Duty Hydraulic Pump with load-limiting device ensures safety
- Ram mounted in head bolster provides higher vertical throat range
- Glycerin filled force gauge with US and metric ton callout
- Self-locking winch and pulley system for easy raising and lowering the press bed
- Removable ram punch for quick connection of optional diameter punches
- Multiple windows in frame to pass shafts through in straightening applications
- Pair of zinc plated bed plates, 4 zinc plated bed support pins and 1⅞" diameter low profile punch included

Specifications

Capacity	30 Tons
Ram Diameter	2¼"
Ram Travel	6⅜"
Throat Height Min.	6.25"
Throat Height Max.	42.5"
Throat Width	28"
Bed Adjustments	9 ea. @ 4.5" apart
Distance Between Bed Rails	7.250"
Base Width	37.875"
Base Depth	29.875"
Overall Height	70.5"
Press Net Weight	455 lbs.

BK **396-5224**

EVERCRAFT

10 TON BENCH MOUNT SHOP PRESS



Used for part straightening, bending, forming, punching, staking and pressing. Movable bed bolster adjusts to 3 different work heights. Pressure gauge shows working pressure. ASME-PACE Certification. Material is steel.

Capacity:	10 Ton
Press Weight:	116 lbs.
Stroke Length:	180mm
Working Range:	0-340mm
Bed Width:	335mm

BK **776-1488**

EVERCRAFT



12 AND 20 TON MANUAL SHOP PRESSES

Used for part straightening, bending, forming, punching, staking and pressing. Multi-position bed for work height adjustment. Pressure gauge shows working pressure. ASME-PACE Certification. Material is steel.

Item No.	*BK* **776-1489**	*BK* **776-1490**
Capacity:	12 Tons	20 Tons
Press Weight:	168 lbs.	252 lbs.
Stroke Length:	180mm	185 mm
Working Range:	0-910mm	61-1,021mm
Frame Height:	53".	59.9"
Frame Width:	21.5"	25.25"
Base Leg Length:	27.5"	27.75"
Bed Width:	454mm	548mm

AmerEquip HD

SHOP PRESS PROTECTOR SHIELDS



- Presses are pre-drilled to accept installation of protector shield
- All necessary mounting hardware provided
- Shields are counter balanced for easy raising and lowering by hand
- Extruded aluminum protector shield frame and counter balance frame
- Steel grooved pulley and wire rope
- Counter balance weight
- Shatter-resistant polyurethane protector shield
- Handle for raising and lowering shield

Item No.	Description
BK **396-5028**	Fits 100 Ton Shop Presses
BK **396-5024**	Fits 50 Ton Shop Presses

25 TON SHOP PRESS KIT

Fits *BK* **396-5001**, *BK* **396-5002** and *BK* **396-5003** 25-Ton Shop Presses.



Item No.
BK **396-5084**

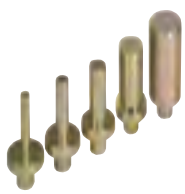
Contents

Item No.	Description
BK **396-5014**	1/2" Dia. Punch
BK **396-5015**	3/4" Dia. Punch
BK **396-5016**	1" Dia. Punch
BK **396-5017**	1 1/2" Dia. Punch
BK **396-5018**	2" Dia. Punch

5 PC. PRESS PUNCH KIT

- Punches are made of precision machined, cold finished 1018 steel
- Yellow zinc plated for durability
- Fits 20 to 50 Ton Presses
- Made in the USA

Contents: (5) Punches 1/2", 3/4", 1", 1 1/2" and 2"



BK **396-5223**

SHOP PRESS PUNCHES

- All punches are made of precision machined, cold-finished 1018 steel and are yellow zinc-plated for durability.

Item No.	Description
25- and 50-Ton Capacity	
BK **396-5014**	1/2" Dia. Punch
BK **396-5015**	3/4" Dia. Punch
BK **396-5016**	1" Dia. Punch
BK **396-5017**	1 1/2" Dia. Punch
BK **396-5018**	2" Dia. Punch



BK **396-5016**

8 PC. PRESS ACCESSORY KIT

- Punches are made of precision machined, cold finished 1018 steel
- Yellow zinc-plated for durability
- Fits 20 to 50 Ton Presses
- Made in the USA

Contents: (5) Punches: 1/2", 3/4", 1", 1 1/2" & 2", (2) Press Plates: 14" x 3" x 1", (1) Bearing Shield



BK **396-5222**

SHOP PRESS BED PLATES

Sold in pairs.

Item No.	Ton	Size
BK **396-5025**	50	1" x 3" x 16"
BK **396-5031**	100	2" x 4" x 20"



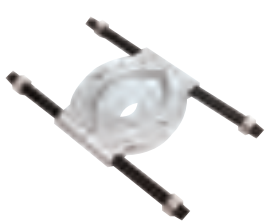
BK **396-5021**



BK **396-5032**



BK **396-5034**



BK **396-5036**



BK **396-5038**

SHOP PRESS BEARING SPLITTERS

- Splitter halves made of forged steel with sharp angled edges to get in between tightly assembled parts
- Splitter halves include threaded holes for the acceptance of pushing/pulling attachments
- Zinc plating and black oxide coating inhibit rust

Item No.	Spread From - To	Tapped Hole Size in Splitter Halves	Distance Between Adjustment Screws	Shipping Weight
BK **396-5032**	1/4" - 15/16"	5/16"-18	1 11/16"	12 oz.
BK **396-5033**	1/8" - 2"	3/8"-16	2 7/16"	1 Lb., 4 oz.
BK **396-5034**	1 3/4" - 5 7/8"	5/8"-18	6"	4 Lbs., 4 oz.
BK **396-5035**	1/2" - 4 5/8"	5/8"-18	4 3/8"	5 Lbs.
BK **396-5036**	1/2" - 9"	5/8"-18	6"	12 Lbs., 9 oz.
BK **396-5037**	5/8" - 8"	1"-14	7 1/8"	19 Lbs., 12 oz.
BK **396-5038**	Bearing Splitter Set. Includes *BK* **396-5032**, *BK* **396-5033**, *BK* **396-5035** and *BK* **396-5036** Bearing Pullers and *BK* **396-5034** Pulley Pulling Tool. Roto-molded plastic carrying case.			



3 IN. SERVICE STATION EXHAUST STARTER HOSE KIT

Constructed of 100% rubber—no wire reinforcement that can be damaged.

BK **815-5125**

Contents

Qty.	Description
2	Adapter, Universal Bell (RA300)
2	Hose, 4" x 3"
1	Hose, 6" x 3"
1	Splice Connector, 3" (SP30)
1	Y-Connector, 3" (RY30)

GARAGE EXHAUST HOSES

Flexible rubber hoses have one flared end for connecting two or more lengths of the same size hose. Withstand tailpipe exhaust up to 600° F. (when used with an appropriate fan). Super-flex, accordion-type hoses are for overhead systems where tight bend radius is required.



BK **827-5050**

Item No.	Description
BK **827-5050**	Motorcycle Flare-Lok (2" I.D. x 11')
BK **827-5051**	Compact Car Flare-Lok (2½" I.D. x 11')
BK **827-5052**	Passenger Car Flare-Lok (3" I.D. x 11')
BK **827-5053**	Light Truck Flare-Lok (3½" I.D. x 11')
BK **827-5054**	Gasoline Truck Flare-Lok (4" I.D. x 11')



BK **720-1334**



BK **720-1335**

DOOR PORT FITTING

Ideal for service stations. Easily installed. Fits 1" doors out-of-the-box. Thicker doors can use threaded rod and nuts (not included).

Item No.	Description
BK **720-1334**	For 2½" tubing, rubber
BK **720-1335**	For 3" tubing, aluminum



BK **720-1325**
BK **720-1326**



BK **720-1327**



BK **720-1331**



BK **720-1328**



BK **720-1342**



BK **720-1333**



BK **720-1323**



BK **720-1329**
BK **720-1330**

EXHAUST HOSE ADAPTERS

Tailpipe adapters are a key part of an effective exhaust removal system. They help to capture the exhaust effectively over a wide variety of tailpipe sizes and shapes while also allowing for cool air to flow in behind the hot exhaust. For this reason, it is recommended that the inside diameter of the adapter be at least ½" larger than the outside diameter of the tailpipe.

Item No.	Max. Tailpipe O.D.	Fits Hose Size
BK **720-1325**	2"	2", 2½", 3"
BK **720-1326**	2½"	2½", 3", 3½"
BK **720-1327**	3"	3½", 4"
BK **720-1331**	3½"	3½", 4"
BK **720-1328**	2½" x 5½" oval/twin	3", 4"
BK **720-1342**	3" x 8" oval/twin	3", 4"
BK **720-1329**	3½" universal	2½", 3½"
BK **720-1330**	4½" universal	2", 3"
BK **720-1333***	5½"	4"

****Heavy-Duty Diesel Truck Adapters***



ALUMINUM INTERNAL CONNECTOR

For use with overhead systems. Screw inside to join larger tubing sizes.

Item No.	Description
BK **720-1339**	3" Tubing
BK **720-1340**	4" Tubing
BK **720-1341**	5" Tubing



Y CONNECTOR

Rubber connector for dual tailpipes.

BK **720-1338** 3" Tubing



SUPERFLEX HOSE

Accordion-like design allows for extra flexibility and stretch. Prevents kinking at 180° bend. Functional lengths.

Item No.	Description
BK **827-5055**	4" I.D. x 12 ft. - Gasoline Trucks
BK **827-5056**	5" I.D. x 8 ft. - Diesel Trucks

S90 SERIES HAND CHAIN HOISTS



JET® S90 Series hand chain hoists were designed with reliability and durability to perform in light-duty industrial applications. The JET S90 is the ideal contractor grade hoist.

Safety:
- Dual Pawl Weston Style Brake System- Double pawl design increases safety
- Alloy Steel Hooks- Industrial rated hooks rotate 360 degrees for easy rigging. Hooks slowly stretch to indicate an overload situation increasing jobsite safety

Durability:
- Grade 80 Load Chain- Grade 80 black oxide coated load chain for durability
- Heat-Treated Load Plates- Heat-treated, case hardened and corrosive resistant coated internal parts extend the life of the hoist in the harshest of environments
- Stamped Steel Safety Latches - increases load security
- Needle Bearing Design- Promotes long hoist life with low wear reducing downtime
- All Steel Construction- Impact resistant covers that provide durability and protection
- Compact Design- Smaller body and lightweight design for low headroom applications and use in confined areas

Standards:
- Complies with OSHA Regulations, ANSI / ASME B30.16 and HST-2 Standards
- Certification- Load tested to 125% of capacity with certificate

Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (in)	Number of Falls	Load Chain (dia/mm)	Required Hand Chain to Lift Capacity	Pounds of Pull to Lift Capacity	Weight (lbs)
1-Ton Standard Model									
JET **101910**	1	2,200	10	12	1	6 x 18	53	60 1/2	26
2-Ton Standard Model									
JET **101930**	2	4,400	10	17 1/2	1	8 x 24	71	91 3/5	40

JLP-A SERIES MINI-PULLERS



JET JLP-A Mini-Pullers are designed with safety and durability to operate in light-duty industrial applications. The all steel construction and JET exclusive dual pawl Weston style brake system provide industry proven safety and reliability. Easily maintained and serviced, the JLP-A Mini-Puller is designed to work in tight spaces and low headroom applications increasing productivity output.

Safety:
- Dual Pawl Weston Style Brake System- Dual pawl design increases safety by splitting the load to opposite sides of the ratchet gear for greater load security
- Alloy Steel Hooks- Industrial rated hooks rotate 360 degrees for easy rigging. Hooks slowly stretch to indicate an overload situation increasing jobsite safety

Durability:
- Grade 80 Load Chain- Grade 80 black oxide coated load chain for durability
- Heat-Treated Load Plates- Heat-treated for durability, these extend the life of the hoist in industrial environments
- All-Steel Construction- Impact resistant covers that provide durability and protection
- Compact Design- Smaller body and lightweight design for low headroom applications and use in confined areas

Standards:
- Complies with OSHA Regulations, ANSI / ASME B30.21 and HST-3 Standards
- Certification- Load tested to 125% of capacity with certificate

Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (in)	Number of falls	Load Chain (dia/mm)	Lever Length (in)	Pounds of Pull To Lift Capacity	Lift Per Full Turn of Lever (in)	Weight (lbs)
1/4-Ton JLP-A Mini-Puller										
JET **187740**	1/4	500	5	9 1/8	1	4 x 12	6	57	3	4 1/2
JET **187741**	1/4	500	10	9 1/8	1	4 x 12	6	57	3	5
1/2-Ton JLP-A Mini-Puller										
JET **187505**	1/2	1,000	5	12	1	4.3 x 12	8 1/2	79	2 5/6	8
JET **187506**	1/2	1,000	10	12	1	4.3 x 12	8 1/2	79	2 5/6	9
3/4-Ton Standard Model										
JET **187607**	3/4	1,650	10	12 4/5	1	6 x 18	11	31	4/5	17
1 1/2 Ton Standard Model										
JET **187611**	1 1/2	3,300	10	14-24-25	1	8 x 24	16 1/7	49	7/8	27
3-Ton Standard Model										
JET **187615**	3	6,600	10	18 8/9	1	10 x 30	16 1/7	71	2/3	50

JLH SERIES COMPACT LEVER HOISTS



Safety:
- Weston Style Dual Pawl Brake System - Dual pawl design increases safety by splitting the load to opposite sides of the ratchet gear for greater load security
- Alloy Steel Hooks - Industrial rated hooks rotate 360 degrees for easy rigging. Hooks slowly stretch to indicate an overload situation increasing jobsite safety
- Carrying Case Included is a nylon carrying case for convenient transportation, reducing trips to the tool room and prevents any unnecessary damage to the hoist

Performance:
- Work to Weight Ratio At 3.5 pounds, the 1/4 ton JLH Compact Lever Hoist can pull or hold a load more than 140 times its weight
- Compact Power A 1/4 ton of pulling power that fits in the palm of your hand

Durability:
- Geared Drive Train JET's exclusive five gear drive train requires less force to lift or secure a load
- Aluminum Housing Durable, impact resistant, Aluminum alloy housings makes the JLH Compact lever hoist one of the lightest hoists on the market

Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (in)	Number of falls	Load Chain (dia/mm)	Lever Length (in)	Pounds of Pull To Lift Capacity	Lift Per Full Turn of Lever (in)	Weight (lbs)
JET **181205**	1/4	500	5	7 9/10	1	3.2 x 9	5 3/4	45	3/7	3 1/2
JET **181210**	1/4	500	10	7 9/10	1	3.2 x 9	5 3/4	45	3/7	4 2/5
JET **181215**	1/4	500	15	7 9/10	1	3.2 x 9	5 3/4	45	3/7	5 2/7
JET **181505**	1/2	1,000	5	9 7/10	1	4.3 x 12	6 3/10	54	1/3	5 1/2
JET **181510**	1/2	1,000	10	9 7/10	1	4.3 x 12	6 3/10	54	1/3	7
JET **181515**	1/2	1,000	15	9 7/10	1	4.3 x 12	6 3/10	54	1/3	8 3/5

JLH SERIES LEVER HOISTS AND SHIP YARD HOOKS



Safety:
- Patented Fused Brake Design - Proven durability that increases safety with a lifetime replacement warranty
- Weston Style Dual Pawl Brake System - Double pawl design increases safety
- Alloy Steel Hooks - Industrial rated hooks rotate 360 degrees for easy rigging. Hooks slowly stretch to indicate an overload situation increasing jobsite safety

Durability:
- Caged Needle Bearing Design - Increases efficiency and promotes smooth operation extending the work life of the hoist
- Shipyard Hooks - Blunt tip, point loading hooks virtually eliminate stretched hooks, reducing downtime for maintenance and repair
- Heat Treated Load Plates - Heat treated, case hardened and corrosive resistant coated internal parts extend the life of the hoist in the harshest of environments
- Cast Steel Safety Latches - Increased durability with heavy duty safety latches secured with Allen screws and lock nuts
- Grade 100 Load Chain - Corrosive resistant grade 100 load chain is stronger than grade 80 load chain extending the life of the hoist

Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (in)	Number of falls	Load Chain (dia/mm)	Lever Length (in)	Pounds of Pull To Lift Capacity	Lift Per Full Turn of Lever (in)	Weight (lbs)
JET **235010**	1 1/2	3,000	10	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	21
JET **235015**	1 1/2	3,000	15	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	25
JET **235020**	1 1/2	3,000	20	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	29
JET **240015**	3	6,000	15	15 9/16	1	10 x 28	16 15/16	82	3/4	45
JET **240020**	3	6,000	20	15 9/16	1	10 x 28	16 15/16	82	3/4	52
With Overload Protection - Slip clutch design increases safety by preventing lifting or pulling damaging loads										
JET **236005**	1 1/2	3,000	5	13 1/10	1	7.1 x 19.9	10 3/8	75	9/10	18
JET **236010**	1 1/2	3,000	10	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	21
JET **236015**	1 1/2	3,000	15	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	25
JET **236020**	1 1/2	3,000	20	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	29
JET **332005**	3	6,000	5	15 1/2	1	10 x 28	16 5/16	82	4/5	30
JET **332010**	3	6,000	10	15 1/2	1	10 x 28	16 5/16	82	3/4	37
JET **332015**	3	6,000	15	15 1/2	1	10 x 28	16 5/16	82	3/4	45
JET **332020**	3	6,000	20	15 1/2	1	10 x 28	16 5/16	82	3/4	52

JLH SERIES LEVER HOISTS

Safety:

- Patented Fused Brake Design - Proven durability that increases safety with a lifetime replacement warranty
- Weston Style Dual Pawl Brake System - Double pawl design increases safety
- Alloy Steel Hooks - Industrial rated hooks rotate 360 degrees for easy rigging. Hooks slowly stretch to indicate an overload situation increasing jobsite safety

Durability:

- Caged Needle Bearing Design - Increases efficiency and promotes smooth operation extending the work life of the hoist
- Cast Steel Safety Latches - Increased durability with heavy duty safety latches secured with Allen screws and lock nuts
- Heat Treated Load Plates - Heat treated, case hardened and corrosive resistant coated internal parts extend the life of the hoist in the harshest of environments
- Grade 100 Load Chain - Corrosive resistant grade 100 load chain is stronger than grade 80 load chain extending the life of the hoist
- All Steel Construction - Impact resistant covers that provide durability and protection



Item No.	Capacity (Tons)	Capacity (Lbs)	Standard Lift (Ft.)	Headroom (in)	Number of falls	Load Chain (dia/mm)	Lever Length (in)	Pounds of Pull To Lift Capacity	Lift Per Full Turn of Lever (in)	Weight (lbs)
JET **275050**	3/4	1,500	5	11	1	5.6 x 15.7	9 5/8	64	1 1/8	13
JET **275010**	3/4	1,500	10	11	1	5.6 x 15.7	9 5/8	64	1 1/8	15
JET **275015**	3/4	1,500	15	11	1	5.6 x 15.7	9 5/8	64	1 1/8	17
JET **275020**	3/4	1,500	20	11	1	5.6 x 15.7	9 5/8	64	1 1/8	20
JET **210050**	1	2,000	5	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	13
JET **210010**	1	2,000	10	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	13
JET **210015**	1	2,000	15	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	18
JET **210020**	1	2,000	20	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	20
JET **215005**	1 1/2	3,000	5	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	18
JET **215010**	1 1/2	3,000	10	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	21
JET **215015**	1 1/2	3,000	15	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	25
JET **215020**	1 1/2	3,000	20	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	29
JET **225005**	2 1/2	5,000	5	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	25
JET **225010**	2 1/2	5,000	10	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	30
JET **225015**	2 1/2	5,000	15	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	36
JET **225020**	2 1/2	5,000	20	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	42
JET **230005**	3	6,000	5	15 9/16	1	10 x 28	16 15/16	82	3/4	30
JET **230010**	3	6,000	10	15 9/16	1	10 x 28	16 15/16	82	3/4	37
JET **230015**	3	6,000	15	15 9/16	1	10 x 28	16 15/16	82	3/4	45
JET **230020**	3	6,000	20	15 9/16	1	10 x 28	16 15/16	82	3/4	42
JET **260005**	6	12,000	5	21 1/4	2	10 x 28	16 5/16	84	3/8	57
JET **260010**	6	12,000	10	21 1/4	2	10 x 28	16 5/16	84	3/8	72
JET **260015**	6	12,000	15	21 1/4	1	10 x 28	16 5/16	84	3/8	87
JET **260020**	6	12,000	20	21 1/4	1	10 x 28	16 5/16	84	3/8	102
JET **290005**	9	18,000	5	26 3/4	3	10 x 28	16 2/5	88	1/4	88
JET **290010**	9	18,000	10	26 3/4	3	10 x 28	16 2/5	88	1/4	110
JET **290115**	9	18,000	15	26 3/4	3	10 x 28	16 2/5	88	1/4	133
JET **290020**	9	18,000	20	26 3/4	3	10 x 28	16 2/5	88	1/4	155
With Overload Protection - Slip clutch design increases safety by preventing lifting or pulling damaging loads										
JET **375005**	3/4	1,500	5	11	1	5.6 x 15.7	9 5/8	64	1 1/8	13
JET **375010**	3/4	1,500	10	11	1	5.6 x 15.7	9 5/8	64	1 1/8	15
JET **375015**	3/4	1,500	15	11	1	5.6 x 15.7	9 5/8	64	1 1/8	17
JET **375020**	3/4	1,500	20	11	1	5.6 x 15.7	9 5/8	64	1 1/8	20
JET **310005**	1	2,000	5	11	1	5.6 x 15.7	9 5/8	79	1 1/8	13
JET **310010**	1	2,000	10	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	15
JET **310015**	1	2,000	15	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	18
JET **310020**	1	2,000	20	11 3/16	1	5.6 x 15.7	9 5/8	79	1 1/8	20
JET **315005**	1 1/2	3,000	5	13 1/10	1	7.1 x 19.9	10 3/8	75	9/10	18
JET **315010**	1 1/2	3,000	10	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	21
JET **315015**	1 1/2	3,000	15	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	25
JET **315020**	1 1/2	3,000	20	13 3/16	1	7.1 x 19.9	10 3/8	75	7/8	29
JET **325005**	2 1/2	5,000	5	14 4/5	1	8.8 x 24.6	10 3/8	82	3/5	25
JET **325010**	2 1/2	5,000	10	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	30
JET **325015**	2 1/2	5,000	15	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	36
JET **325020**	2 1/2	5,000	20	14 3/4	1	8.8 x 24.6	10 3/8	82	5/8	42
JET **330050**	3	6,000	5	15 9/16	1	10 x 28	16 5/16	84	3/4	30
JET **330100**	3	6,000	10	15 9/16	1	10 x 28	16 5/16	84	3/4	37
JET **330150**	3	6,000	15	15 9/16	1	10 x 28	16 5/16	84	3/4	45
JET **330200**	3	6,000	20	15 9/16	1	10 x 28	16 5/16	84	3/4	52
JET **360005**	6	12,000	5	21 1/5	2	10 x 28	16 5/16	84	3/8	57
JET **360010**	6	12,000	10	21 1/4	2	10 x 28	16 5/16	84	3/8	72
JET **360015**	6	12,000	15	21 1/4	2	10 x 28	16 5/16	84	3/8	87
JET **360020**	6	12,000	20	21 1/4	2	10 x 28	16 5/16	84	3/8	102
JET **460005**	9	18,000	5	26 3/4	3	10 x 28	16 2/5	88	1/4	88
JET **460010**	9	18,000	10	26 3/4	3	10 x 28	16 2/5	88	1/4	110
JET **460015**	9	18,000	15	26 3/4	3	10 x 28	16 2/5	88	1/4	133
JET **460020**	9	18,000	20	26 3/4	3	10 x 28	16 2/5	88	1/4	155

CHAIN HOISTS

Triple-geared chain block hoist. High quality, all-steel construction. Heat treated. Standard Lift: 10 ft.

Item No.	Cap. Tons	Max. Load (tons)
BK **827-1115**	1/2	0.75
BK **827-1116**	1	1.50
BK **827-2507**	1 1/2	2.25
BK **827-2506**	2	3.00



BK **827-1115**

EXTRA HEAVY-DUTY POWER-PULL CABLE W/ HANDLE

Two-ton capacity with double line. Equipped with 18 ft. of special flexible 5/16 in. wire cable, tackle block and hook on end of cable.

BK **819-5125**



CHAIN PULLER

All mechanisms are completely enclosed. Upper and lower levels are steel-dropped forgings and swivel in both directions. The operating handle is less than 17 in. long and the minimum distance between hooks is only for working in close quarters. Cap.: 1 1/2 tons. Standard Lift: 5 ft. Maximum Load: 2.25 tons.

BK **819-5126**





BK **819-5124**



BK **819-8054**

PROFESSIONAL POWER-PULL CABLE HOISTS

Preferred by artisans and Do-It-Yourselfers who want the very best. Solid gearing, heavy-duty frame and padded handle assembly for long, trouble-free use. Quality plating prevents rust.

Item No.	Capacity (Tons)	Standard Lift (ft.)	Leverage	Weight (lbs.)	Cable (in.)
BK **819-5122**	1	12	18:1	7	3/16
BK **819-5124**	2	5	36:1	7 1/2	3/16
BK **819-8054**	4	5	36:1	8	1/4



BK **770-9768**



BK **770-9025**

PROFESSIONAL POWER-PULL CABLE HOIST REPLACEMENT PARTS

Item No.	Description
BK **770-9768**	Cable Assembly w/Round Ball End for *BK* **819-5122**/ *BK* **819-5124**. 3/16" x 12'
BK **770-9025**	Cable & Hook Assembly for *BK* **819-5122**
BK **770-9026**	Cable & Hook Assembly for *BK* **819-5124**
BK **770-9027**	Cable & Hook Assembly for *BK* **819-8054**



CONSUMER GRADE POWER-PULL CABLE HOISTS

These rugged, economical cable hoists are designed for the occasional user. Cable: 3/16".

Item No.	Capacity (Tons)	Standard Lift (ft.)	Leverage	Weight (lbs.)
BK **819-5127**	1	12	18:1	6 3/4
BK **819-5128**	2	6	36:1	8 1/4

RATCHET LOAD BINDER

This is a high capacity (6,000 lbs.) load binder used to secure large, heavy or bulky loads in transit. 1 3/4" wide x 15 ft. long and rated at 10,000 lbs. capacity. Cadmium plated steel hardware.

BK **770-5109**



LIFTING SLING

The lifting sling is an accessory to a winch puller or chain block, and makes it easier to lift heavy and awkward loads. It is made from 1" wide industrial nylon webbing with a special red indicator cord (red threads woven in the center). When excessive wear of the yellow latex-treated webbing makes the red threads visible, it's time to retire the sling thus providing an important safety check. 7,600 lbs. capacity. 8 ft.

BK **770-5108**



PULLEY BLOCK & HOOK

Used with cable hoists. Heat-treated hook. 1 1/2 Ton capacity with an overall length of 5 1/2 in.

BK **770-5101**



OTC® PORTABLE DIESEL PARTICULATE FILTER CLEANER

The Diesel Particulate Filter (DPF) Cleaner was designed with shop service in mind. Its portability allows the unit to be placed as close to the vehicle as possible and to be stored wherever needed in the service facility. The advent of the 2010 Tier 4 cleaning requirements created the need for a lighter, more portable cleaning system which can be taken into the field to clean filters at the point of service.

Lightweight and Highly Portable - ideal cleaning system for use in the shop or on a service truck.
Flexibility - clean DPFs from 6" to 15.5" in diameter using shop or compressed air of at least 100 PSI and 20 CFM sustained airflow.
Fully Automated Operation - once started, the cleaning process can be completed with minimal operator oversight, freeing up the technician to simultaneously do other work in the shop.
Focused Air Jet Technology™ - concentrates a precise high pressure stream of air directly into every cell.
Easy Maintenance - contains no internal filters that require user maintenance. Rugged design provides maximum durability.

OTC **5286**



OTC® DIESEL PARTICULATE FILTER CLEANER

The Diesel Particulate Filter (DPF) Cleaner was designed with shop service in mind. The cleaning process allows the DPF to be cleaned as part of a general maintenance schedule at the service location with minimal time away from the vehicle. It's portability allows the unit to be placed as close to the vehicle as possible and to be stored wherever needed in the service facility.



OE tested and Dealer recommended – By many major diesel engine manufacturers.
Robust design – For long shop life. Can be used as part of a preventative maintenance program.
High Pressure cleaning process for thorough cleaning of ash from DPF – produces 10 times the burst energy of competitive low pressure units.
Initial Burst Quick check – To identify filters too plugged for proper cleaning.
Movable with locking wheels – For placement throughout the shop.
Computer Controlled Process Based on OE Requirements – for "Start to End" cleaning without constant technician monitoring.
Containment of hazardous ash – For easy disposal.
HEPA Filter Air Exhaust System – To exceed environmental air standards for shop.
Operates on standard 115V outlet.
Proven to clean to over 92% efficiency. (3)
Third-party OEM test results using pin gauge measurement with approved SPX adapters and burst cycles. Actual results may vary.

Item No.	Description
OTC **5280**	OTC Diesel Particulate Filter (DPF) Cleaner – includes Small, Medium and Large cones, CAT and Cummins Adapters
Upgrade kits for other OEM's are sold separately:	
OTC **556889**	Detroit Diesel Upgrade Kit
OTC **553990**	UD TRUCK (with Hino Engine) Upgrade Kit
OTC **553991**	Isuzu Upgrade Kit
OTC **553993**	Volvo Upgrade Kit
OTC **558181**	Navistar Upgrade Kit



OTC® DPF THERMAL PROCESSING UNIT

The OTC® DPF Thermal Processing Unit is a device which will thermally regenerate a DPF unit at a controlled, pre-programmed rate. Sometimes, the DPF cannot be regenerated on the truck due to a failure with the vehicle's own regeneration system, or in the case of retrofit applications, a lack of an on-vehicle regeneration system. Thermal regeneration of DPFs is used in conjunction with the *OTC* **5280** DPF Cleaner, and maximizes the cleaning efficiency of the cleaner.

- Designed to facilitate the cleaning of dirty filters – especially those with high amounts of wet soot, and unburned hydrocarbons.
- Pre-programmed thermal profile controls temperature 'ramp up' and 'cool down' to protect DPF from thermal shock, reducing the risk of DPF cracking.
- Holds temperature constant for two hours to ensure complete regeneration of filter.
- Built-in safety door lock and electronic door switch prevent unauthorized opening of the door when temperatures exceed 200 degrees F.
- Large chamber accommodates various DPF sizes and shapes. Front access door allows for easy access to the thermal chamber.
- Internal chamber dimension: 24" (L) x 24" (W) x 26" (H).

OTC **5281** DPF Thermal Processing Unit



8 IN. X 12 IN. HORIZONTAL / VERTICAL GEARED HEAD BANDSAW

Innovative and built to last; that's how customers describe the latest addition to the JET® line of saws. Easy speed change, quick lock vise and large 8" wheels enhance the convenience of this rugged machine. It is everything you expect from a JET saw.

Features

- Gear box for ease of speed change
- UL Listed motor
- Heavy cast iron bow and head
- Hardened and ground worm gear
- Large 8" wheels and handle for easy movement in your shop
- Coolant system included

Standard Equipment

- Quick Lock Vise
- Vertical Worktable
- Coolant system
- Adjustable work stop
- Bi-metal blade
- Chip Brush

Specifications

Cutting Capacities

Round at 90° (in.): 8
Round at 45° (in.): 5
Rectangle at 90° (in.): ..... 8 x 11¼
Rectangle at 45° (in.): ..... 5 x 8
Vise Swivels: ..... 45°
Blade Size (in.): ..... ¾ x .035 x 93
Blade Speeds (SFPM): 145, 208, 255
Height (in.): 43
Motor: ..... 1HP, 115/230V, 1Ph, Prewired 115V 1720 PRM
Net Weight (lbs.): 308

JET **413460**



7 IN. X 12 IN. HORIZONTAL / VERTICAL BANDSAW

The JET Metalworking Bandsaw has everything any operator needs to tackle even the toughest job. It is versatile, powerful and offers safety features so you can cut with confidence. Another JET saw that exceeds expectations!

Features

- UL listed motor
- Hardened and ground worm gear
- Automatic shut-off after cut
- Heavy cast iron bow and bed
- Hydraulic down feed for ease of cut
- Roller cabinet with built-in chip tray

Standard Equipment:

- Vertical worktable
- ¾" Bi-metal blade with ⅝ TPI
- Coolant system
- Adjustable material stop
- Large 8" wheels for ease of movement
- Chip brush

Specifications

Cutting Capacities

Round Capacity at 90° (in.): 7
Round Capacity at 45° (in.): 4½
Rectangle Capacity at 90° (in.): ..... 2 (H) x 12 (W) / 7 (H) x 10⅞ (W)
Rectangle Capacity at 45° (in.): ..... 7 (H) x 3½ (W) / 5½ (H) x 4½ (W)
Throat Depth (in.): 7
Vertical Tables (in.): ..... 9⅜ x 10
Vise Swivels (deg.): 45
Blade Size (in.): ..... ¾ x .035 x 93
Blade Wheel Diameter (in.): 11¾
Blade Speed (SFPM): 86, 132, 178, 260
Bed Height (in.): 23
Motor: ..... ¾ HP, 115/230V, 1Ph, Prewired 115V
Floor Space Required (in./ L x W x H): ..... 49½ x 20½ x 41
Net Weight (lbs.): 286

JET **414459**	Bandsaw
JET **414304**	Replacement Blade, ¾" x .035" x 93" x 6/10VT
JET **414300**	Replacement Blade , ¾" x.035" x 93" x 10/14VT





7 IN. X 10-1/2 IN. HORIZONTAL / VERTICAL MITERING BANDSAWS

Everything you need to make precision cuts hour after hour is located right at the operator's fingertips. For increased versatility, a rotating disc hub allows miter cuts in both the horizontal and vertical positions. Backed by JET's industry leading Two Year Warranty.

Features

- Swivel head for both horizontal and vertical miter cutting
- UL listed motor
- Heavy cast iron bow and head
- Hydraulic downfeed for ease of cut
- Hardened and ground worm gear
- Large 8" wheels and handle for easy movement in your shop

Standard Equipment:

- Quick lock vise
- 3/4" Bi-metal blade 5/8 TPI
- Coolant system
- Adjustable material stop
- Chip brush

Item No.	*JET* 413451	*JET* 413452
Motor Drive:	Belt	Geared
CUTTING CAPACITIES		
Round at 90° (in.):	7	7
Round at 45° (in.):	4	4
Rectangle at 90° (in.):	7 x 10 1/2	7 x 10 1/2
Rectangle at 30° (in.):	4 3/4 x 4	4 3/4 x 4
Blade Size (in.):	3/4 x .035 x 93 5/8 TPI	3/4 x .035 x 93 5/8 TPI
Blade Speeds (SFPM):	86, 131, 182, 260	145, 208, 255
Blade Wheel Dia. (in.):	11 3/4	11 3/4
Motor:	1HP, 115/230V, 1Ph Prewired 115V	1 HP, 115/230V, 1Ph Prewired 115V
Net Weight (lbs.):	396	396

5 IN. X 8 IN. HORIZONTAL BANDSAW

Features

- For added safety, the motor and electrics follow strict guidelines and electrical requirements to be certified by CSA Group
- Blade drive is a steel, heat treated worm driving a bronze worm gear in an oil bath
- Adjustable blade guides with side eccentric shaft with ball bearings with rear-ball bearings
- Fully adjustable hydraulic downfeed system

Standard Equipment:

- Wheels and handle for easy movement
- Adjustable material stop
- 1/2" Carbon Steel Blade

Specifications

Cutting Capacities

Cutting Capacity (W x D) (In.): 5 x 8
Round at 90 Degrees (In.): 5
Round at 45 Degrees (In.): 4 1/2
Rectangle at 90 Degrees (In.): 7 1/2 x 5
Rectangle at 45 Degrees (In.): 4 1/2 x 5
Vise Swivels (Deg.): 45°
Blade Speeds (SFPM): 85, 125, 200
Blade Wheel Diameter (In.): 7 1/2
Blade Length (In.): 68 1/2
Blade Size (In.): 1/2 x .025 x 68
Bed Height (In.): 23 1/2
Motor (HP): 1/2 HP, 115V, 1 Ph
Weight (Lbs.): 134
Overall Dimensions (L x W x H) (In.): 37 x 16 x 37

JET **414461**



5 IN. X 6 IN. HORIZONTAL MITERING BANDSAW

This Mitering Bandsaw from JET is loaded with features that makes it an essential piece to any shop set up. Hydraulic down feed control ensures smooth cuts; head swivels for cuts at both 45 and 60 degrees. This rugged saw boasts all the power, versatility and precision that you expect from everything JET has to offer.

Features

- Hydraulic down feed control
- Deluxe enclosed stand with handle and wheels for easy movement
- Sealed worm gear transmission
- UL Listed motor
- Head swivels for a maximum cut at 45° and 60°
- Ball bearing drive wheel and blade guides

Standard Equipment:

- 1/2" Carbon steel blade
- Adjustable material stop

Specifications

Cutting Capacities

Round Capacity at 90° (in.):	5
Round Capacity at 45° (in.):	3
Round Capacity at 60° (in.):	1 3/4
Rectangle Capacity at 90° (in.):	5 x 6; 2 x 6 3/4
Rectangle Capacity at 45° (in.):	4 x 2 3/4; 2 x 3 3/4
Rectangle Capacity at 60° (in.):	5 x 1 3/4
Blade Size (in.):	1/2 x .025 x 64 1/2
Blade Wheel Diameter (in.):	7 3/8
Blade Speed (SFPM):	80, 120, 200
Bed Height (in.):	28
Motor:	1/2 HP, 115/230V, 1Ph, Prewired 115V
Floor Space Required (in./ L x W x H):	37 x 20 3/4 x 41
Net Weight (lbs.):	172

JET **414457** Bandsaw
JET **414301** Replacement Blade, 1/2" x .025" x 64 1/2" x 14R-C



5 IN. X 6 IN. HORIZONTAL / VERTICAL BANDSAW

Smaller shops and job sites alike benefit from the power and precision of JET when the *JET* **414458** is put into action. Its 1/2 HP, UL motor offers great versatility and power when cutting in either a horizontal or vertical position. Long list of features and JET backed Two Year Warranty make this saw a must have for your operation.

Features

- Exclusive design heavy-duty 14-gauge stand
- Heat-treated and ground steel worm gear with bronze drive gear
- Automatic shut-off after cut
- UL Listed single phase motor
- Large diameter wheels and built-in handle allows easy movement
- Front legs feature adjustable leveling pads
- Ball bearing supported blade wheel
- Fully adjustable ball bearing blade guides
- Three blade speeds

Standard Equipment:

- Vertical worktable
- Adjustable material stop
- 1/2" Carbon steel blade

Specifications

Cutting Capacities

Round Capacity at 90° (in.):	5
Round Capacity at 45° (in.):	3
Rectangle Capacity at 90° (in.):	5 (H) x 5 3/4 (W) & 2 (H) x 6 (W)
Rectangle Capacity at 45° (in.):	4 1/2 (H) x 3 (W)
Throat Depth (in.):	5
Vertical Worktable (in.):	9 5/8 x 9 1/2
Vise Swivels (deg.):	45
Blade Size (in.):	1/2 x .025 x 64 1/2
Blade Wheel Diameter (in.):	7 3/8
Blade Speed (SFPM):	80, 120, 200
Bed Height (in.):	26
Motor:	1/2 HP, 115/230V, 1Ph, Prewired 115V
Floor Space Required (in./ L x W x H):	36 x 20 x 39.5
Net Weight (lbs.):	115

JET **414458** Bandsaw
JET **414301** Replacement Blade - 1/2" x .025" x 64 1/2" x 14R-C





14 IN. VERTICAL BANDSAW

Saw comes standard with a powerful industrial motor and transmission that last for years - even on the job in the most demanding work environments.

Features

- Heavy-duty completely enclosed steel frame
- Multi-tilting work surfaces
- Easy to read blade tension indicator
- Variable speeds provide proper adjustments for high efficiency cutting

Standard Equipment:

- Blade welder, grinder and cutter
- Worklamp
- Chip Blower
- 1/4" x 14/18 VT Bi-Metal blade
- Blade and tire cleaning brush
- Set of tools

Specifications

Blade Speeds (SFPM): ..... 82 - 330
Height Capacity (max./in.): 8
Throat Capacity (max./in.): 14
Table Size (in.): ..... 20 x 20
Table Tilt: ..... 8° F & B, 12° L, 15°
Blade Length (approx./in.): 114
Blade Width (min-max./in.): ..... 1/8 - 1/2
Table Height (in.): 39
Motor: ..... 1 HP, 115/230V, 1Ph, Prewired 115V
Floor Space Required (in./ L x W x H): ..... 34 x 24 x 68 1/2
Net Weight (lbs.): 634

JET **414483**

18 IN. WOOD / METAL VERTICAL BANDSAW

The JET 18" Vertical Bandsaw handles the workload. An exclusive quick-release T-square style rip fence, built-in cutting height scale and cast iron table are but some of the features on this JET saw that makes all the cuts of its Horizontal counterpart when workspace is at a premium.

Features

- Exclusive quick-release, precision T-square style rip fence
- Built-in cutting height scale
- Convenient speed changes with no tools required
- Extra large 19" x 19" cast iron table
- Ball bearing guide system reduces friction for longer blade life
- Lower blade wheel brush and dust collection port

Specifications

Height Capacity (max./in.): 12
Throat Depth (max./in.): 18 3/8
Rip left of blade w/fence (max./in.): 16 1/2
Blade Size (in.): ..... 137 x 3/4 x .035
Blade Length (approx./in.): 137
Blade Width (min-max./in.): ..... 1/8 – 1 1/2 (Wood)
Cutting Speeds Wood (SFPM): 1,000, 1,800, 3,200
Cutting Speeds Metal (SFPM): 80, 150, 265
Table Size (in.): ..... 19 x 19
Table Tilt: ..... R 45°, L 10°
Table Height at 90° (in.): 37 1/2
Motor: ..... 3/4 HP, 115/230V, 1Ph,
Prewired: 115V
Floor Space Required (in./ L x W x H): ..... 42 x 38 x 74
Net Weight (lbs.): 456

JET **414418**



14 IN. WOOD / METAL VERTICAL BANDSAW

The JET 14" Wood/Metal Vertical Bandsaw offers machine and fabrication professionals all the power and precision in a package that meets their individual specifications. An EXCLUSIVE gear box design permits cutting of a great variety of materials. These are everything customers have come to expect from a JET saw, and more.

Features

- Cast iron frame
- Solid one piece steel base for extra stability
- Exclusive gear box design allows wood/metal model saws to be used for a wider variety of metal, wood, non-ferrous metal, plastic cutting applications.
- Conveniently located on/off switch

Standard Equipment:

- Miter gauge
- Dust chute
- Saw blades (wood and metal)
- Adjustable table

Specifications

Blade Speeds Metal (SFPM):	Variable 90-340
Blade Speeds Wood (SFPM):	2,600
Under Guide (in.):	6
Under Guide with Riser Block (in.):	12
Height Capacity (max./in.):	6
Throat Capacity (max./in.):	13 1/2
Table Size (in.):	14 x 14
Table Tilt Right:	45°
Table Tilt Left:	15°
Blade Length (approx./in.):	92 1/2
Blade Width (min-max/in.):	1/8 – 3/4
Miter Gauge Groove W x D (in.):	3/4 x 3/8
Table Height (in.):	44
Motor:	1 HP, 115/230V, 1Ph, Prewired 115V
Floor Space Required (in./ L x W x H):	26 x 18 1/2 x 67
Net Weight (lbs.):	325

JET **414502**



BENCH COLD SAW

The table-top *JET* **414220** Bench Saw enables one to take JET power and precision wherever the job requires. Adjustable depth stop, safety spring loaded trigger switch in the handle and manual vise combine to give this JET saw precision and reliability professionals demand from their machines. Backed by the industry-leading Two Year Warranty, you can have confidence this saw performs cut after cut.

Features

- Bronze worm gear and hardened ground worm screw gear box in an oil bath
- Adjustable depth stop
- Blade included
- Manually cuts from 0 - 45° left
- Control handle with a safety spring loaded trigger switch to start or stop the machine
- Coolant system
- Manual vise

Specifications

Cutting Capacities

Round at 90° (in.):	2 1/2
Round at 45° (in.):	2
Rectangle at 90° (in.):	2 1/2 x 2 15/16
Rectangle at 45° (in.):	1 3/4 x 1 1/4
Square at 90° (in.):	2 1/4
Square at 45° (in.):	1 5/8 x 1 5/8
Blade Size (mm.):	225
Blade Speed (RPM):	52
Motor:	1 HP, 115V, 1Ph
Floor Space Required (in./ L x W x H):	30 x 17 x 32
Net Weight (lbs.):	84

JET **414220** Bench Saw
JET **579000** Replacement Blade - 225 - 2 - 32 / 180 Teeth



13 IN. X 40 IN. BELT DRIVE BENCH LATHE

The industry standard in Metal Turning, JET Belt Drive Bench Lathes come fully loaded and designed to accommodate a huge variety of optional accessories to perform a variety of operations, while increasing overall production. A JET Belt Drive Bench Lathe allows the operator to change between standard and metric gears quickly and easily to enhance productivity and efficiency, and create finely-shaped tapering with great precision.

Features

- Enclosed gearbox design provides smooth, quiet operation
- Fast, easy speed changes
- Helical cut headstock gears reduce noise
- V-way bed is induction hardened and ground
- Gap bed section provided for large diameter work
- Low voltage motor controls
- Changes gears allow metric threading
- Spindle is supported by precision tapered roller bearings
- Independent leadscrew and feed rod
- T-slotted compound slide with four-way tool post
- Carriage mounted spindle control lever
- Automatic feeding and threading are fully interlocked
- Tailstock may be offset for turning tapers and includes an inch/metric graduated quill

Standard Equipment:

- Coolant tray
- 6" 3-jaw direct mount scroll chuck with top reversing jaws
- 8" 4-jaw independent chuck
- 12 faceplate
- Four-way tool post
- Steady and follow rest
- Metric change gear
- Centers with headstock center sleeve
- Threading dial
- Micro Carriage Bed Stop
- Full Length Splash Guard
- Tolerance test certificate
- Tool box with tools
- Includes CBS-1340A Stand

JET **321102AK**

Specifications

Swing over Bed (in.):	13
Swing over Cross Slide (in.):	$7\frac{25}{32}$
Swing Through Gap (in.):	$18\frac{3}{4}$
Length of Gap (in.):	8
Distance Between Centers (in.):	40
Spindle Bore (in.):	$1\frac{3}{8}$
Spindle Mount:	D1-4
Spindle Taper (w/ Sleeve):	MT-5 (MT-3)
Number of Spindle Speeds:	12
Range of Spindle Speeds (RPM):	60 – 1,240
Number of Longitudinal and Cross Feed Rates:	40
Range of Longitudinal Feeds (IPR):	.0018 – .0374
Range of Cross Feeds (IPR):	.0012 –.0345
Number of Inch Threads:	40
Range of Inch Threads (TPI):	4-112
Number of Metric Threads:	27
Range of Metric Threads:	0.2-6
Max Tool Size (in.):	$\frac{5}{8}$ x $\frac{5}{8}$
Compound Slide Travel (in.):	$2\frac{11}{16}$
Cross Slide Travel (in.):	$6\frac{5}{16}$
Carriage Travel (in.):	35
Tailstock Spindle Travel (in.):	$3\frac{3}{4}$
Taper in Tailstock Spindle:	MT-3
Steady Rest Capacity (in.):	$2\frac{5}{8}$
Follow Rest Capacity (in.):	$2\frac{3}{4}$
Width of Bed (in.):	$7\frac{3}{8}$
Overall Dimensions (in./ L x W x H):	71 x 32 x 45 with Stand
Motor:	2 HP, 1Ph, 230V
Net Weight (lbs.):	1,175



9 IN. X 20 IN. BELT DRIVE BENCH LATHE

The *JET* **321155K** now comes complete with splash guard and, along with the enclosed gearbox and fully stocked with 2 chucks and centers, is shop ready.

Features

- Spindle supported by precision tapered roller bearings
- Hardened and ground bedways
- Reversing switch included for added versatility
- Backlash adjustments provided throughout the carriage
- Quick change gearbox provides wide range of inch and metric threads
- Power Longitudinal feed allows threading and reverse threading
- Standard 1 1/2 x 8 TPI spindle mount allows for many aftermarket accessories
- Tailstock is adjustable for taper cuts

Standard Equipment:

- 4" 3-jaw chuck with threaded back plate
- 7" 4-jaw chuck with threaded back plate
- Metric Change gears
- Enclosed gear box
- Centers
- Threading dial
- Full length splash guard
- Includes S-920N Stand

Specifications

Swing over Bed (in.): 9
Swing over Cross Slide (in.): 5 5/16
Distance Between Centers (in.): 20
Spindle Bore (in.): 7/8
Spindle Mount (TPI): 1 1/2 x 8
Spindle Taper w/ Sleeve: MT-3
Number of Spindle Speeds: 6
Range of Spindle Speeds (RPM): 130 - 2,000
Number of Longitudinal Feed Rates: 60
Range of Longitudinal Feeds (IPR): .0006 - .037
Number of Inch Threads: 30
Range of Inch Threads (TPI): 8 - 60
Number of Metric Threads: 18
Range of Metric Threads: 0.4 - 3.5
Max Tool Size (in.): 1/2 x 1/2
Compound Slide Travel (in.): 1 7/8
Cross Slide Travel (in.): 4 3/8
Carriage Travel (in.): 16
Tailstock Spindle Travel (in.): 1 9/16
Taper in Tailstock Spindle: MT-2
Steady Rest Capacity (in.): 1/4 - 1 7/8
Follow Rest Capacity (in.): 1/4 - 1 1/8
Width of Bed (in.): 4 1/2
Overall Dimensions (in./ L x W x H): 37 x 18 3/4 x 17 3/8
Motor: 3/4 HP, 1Ph, 115V Only
Net Weight (lbs.): 265

JET **321155K**



JMD MILLING DRILLING MACHINES

Mill drills are a lighter alternative to a milling machine. These combine a belt driven drill press with the dual coordinate abilities of the milling machine's table for flexibility and efficiency. A locking collet prevents the cutting tool from falling away from the spindle when lateral forces are experienced against the bit. Although light in construction, the JMD Milling Drilling Machines possess the advantages of space saving versatility, affordability and light machining capability.

Features

- One-piece cast iron column for added support
- UL Listed motor
- New positive quick-stop knob and easy-to-read internal depth gauge (external on *JET* **350017**)
- Forward and reverse switch on *JET* **350018**
- Belt cover – quick slide latch allows faster belt adjustment to change spindle speeds

Standard Equipment:

- Worklamp
- Adjustable carbide facemill
- Drill press angle vise
- 1/2" drill chuck, chuck arbor
- Draw bar
- Drill chuck guard

Item No.	*JET* **350017**	*JET* **350018**
Drilling Capacity (in.):	1	1 1/4
Face Mill Capacity (in.):	2 1/2	3
End Mill Capacity (in.):	1/2	3/4
Swing (in.):	14 1/2	15 7/8
Max Distance Spindle to Table (in.):	15	18
Spindle Taper:	R-8	R-8
Spindle Travel Manual (in.):	3 1/2	5
Quill Diameter (in.):	2 7/16	3
Column Diameter (in.):	3 5/8	4 1/2
Number of Spindle Speeds:	12	12
Range of Spindle Speeds (RPM):	110 - 2,580	150 - 3,000
Max. Table Travel (in.):	14	20 1/2
Cross Travel (in.):	5 1/2	6 1/2
Working Surface of Table (in.):	7 1/2 x 23	9 1/2 x 32 1/4
T-Slots, Number and Size (in.):	4 and 9/16	4 and 5/8
T-Slot Centers (in.):	1 13/16	1 13/16
Base Dimensions (in.):	12 1/2 x 19 3/4	15 3/4 x 23 3/4
Motor (UL Listed):	1HP, 1Ph, 115/230V Prewired 115V	2HP, 115/230V Prewired 115V
Overall Dimensions (in./ L x W x H):	38 x 37 1/2 x 42	47 x 40 x 51
Net Weight (lbs.):	440	660
Optional Equipment:	*JET* **350045** Stand with Enclosed Shelf	

15 IN. VARIABLE SPEED DRILL PRESS

This JET® Drill Press uses a variable-speed motor with the stepped-pulley system, and comes equipped with a continuously variable transmission. This enables use at a wide range of speeds, as well as the ability to change speed during operation.

Features

- Speeds from 400 to 5,000 RPM
- Handwheel adjustment sets the speeds
- Large 2¼" quill allows greater accuracy
- 3" Column diameter for maximum head support
- Full bearing support on quill for maximum spindle stiffness
- 6" stroke for deep hole application
- Accurate depth stop for precise hole depths
- ½" drill chuck & arbor
- Safety collar

JET **354550**



Specifications

Drills to Center Circle (in.):	15
Drilling Capacity Cast Iron (in.):	5/8
Drilling Capacity Mild Steel (in.):	1/2
Column Diameter (in.):	3
Distance Column to Spindle (in.):	7 1/2
Spindle Travel (in.):	6
Spindle Distance to Base (in.):	44 1/2
Max Distance Spindle to Table (in.):	25 3/4
Table Size (in.):	15 x 18
Table Travel (in.):	16 3/4
T-Slots Number and Size (in.):	2 and 1/2
T-Slot Centers (in.):	5 5/16
Work Table Weight Capacity (lbs.):	90
Spindle Taper:	MT-2
Range of Spindle Speeds (RPM):	400 - 5000
Base Dimensions (in./ Lx W x H):	20 7/16 x 14 3/16 x 31/8
Base Work Table (in.):	12 1/8 x 11 13/16
Base Slots Number and Size (in.):	2 & 1/2
Motor:	1 HP, 115/230V, 1Ph (Prewired 115V)
Overall Dimensions (in./ L x W x H):	30 x 20 x 71
Net Weight (lbs.):	426

15 IN. AND 20 IN. DRILL PRESSES

Accuracy, stability and versatility are the benchmark features of the JET 15" and 20" Drill Presses. This high quality line of JET Drill Presses offer a greater range in spindle speeds than other machines of this class. JET backs their machines with the industry-leading Two Year Warranty.

Features

- Cast iron head
- Large quill allows greater accuracy
- Head casting features a permanently lubricated ball bearing spindle assembly, using four heavy-duty ball bearings mounted in an enclosed quill for extended life
- Massive T-slotted production work table (Model *JET* **354402** only)
- Table tilts 45°
- Large ground steel column diameter for maximum head and table support
- 3 1/8" stroke for deep hole applications (4 3/4" on model *JET* **354402**)
- Accurate depth stop for precise hole depths

Standard Equipment:

- 5/8" Drill chuck and arbor
- Spindle guard



Item No.	*JET* **354401**	*JET* **354400**	*JET* **354402**
Drills to Center Circle (in.):	15		20
Drilling Capacity Cast Iron (in.):	5/8		3/4
Drilling Capacity Mild Steel (in.):	1/2		5/8
Column Diameter (in.):	2 7/8		3 5/8
Distance Column to Spindle (in.):	7 1/2		10 1/2
Number of Speeds:	16		12
Range of Spindle Speeds (RPM):	200, 290, 350, 430, 500, 580, 640, 720, 800, 870, 1440, 1630, 1820, 2380, 2540, 3630		150, 260, 300, 440, 490, 540, 1150, 1550, 1840, 2220, 2950, 4200
Spindle Travel (in.):	3 3/8		4 3/4
Spindle Distance to Base (in.):	24	48	43 1/2
Spindle Distance to Table (max./in.):	15 1/2	24	24
Table Size (in.):	11 1/2 x 11 1/2	11 1/2 x 11 1/2	18 1/2 x 16 1/2
Table Travel (in.):	15 1/2	24	21 1/2
T-Slots Number and Size (in.):	N/A		3 x 1/2
T-Slot Centers (in.):	N/A		4
Work Table Weight Capacity (lbs.):	44		66
Spindle Taper:	MT-2		MT-3
Base Dimensions (LxW/ in.):	18 x 10 1/2	11 x 19 1/2	22 3/4 x 17 3/4
Base Work Table (in.):	8 x 8	7 x 7 1/2	13 x 14 1/2
Motor:	3/4 HP, 115V, 1Ph		1 HP, 115/230V, 1Ph, Prewired 115V
Overall Dimensions (in./ LxWxH):	31 x 13 x 39 1/2	31 x 13 x 63	33 1/2 x 18 1/2 x 67
Net Weight (lbs.):	157	167	304



20 IN. FLOOR DRILL PRESS

This JET 20" Floor Drill Press is designed to allow rapid change of spindle speed, and comes equipped with a rotating and tilting crank-operated worktable with quick-release clamps. Machinists can put this Drill Press through the paces and receive superior results time after time. High-quality manufactured parts ensure long life.

Features

- Hinged metal belt and pulley cover coupled with quick adjustment motor mount allow rapid changing of spindle speeds
- Rotating, 45° tilting, crank-operated worktable with quick release clamp
- On/off switch located on front of the drill press head
- A 1/2" diameter external positive depth stop with three nut locking feature for quick adjustment
- Adjustable tension spindle return spring
- Spindle is supported by high quality ball bearings
- Built-in work lamp, bulb not included
- Drill chuck and key included
- Spindle guard

Specifications

Drills to Center Circle (in.): 20
Drilling Capacity Cast Iron (in.): 1
Drilling Capacity Mild Steel (in.): 3/4
Column Diameter (in.): 3 3/8
Distance Column to Spindle (in.): 10
Number of Speeds: 12
Range of Spindle Speeds (RPM): 150-4200
Spindle Travel (in.): 4 5/8
Spindle Distance to Base (in.): 46 3/4
Max Distance Spindle to Table (in.): 29 1/8
Table Size (in.): .... 18 1/2 x 16
T-Slots Number and Size (in.): .... 6 & 1/2
T-Slot Centers (in.): 3 1/2
Work Table Weight Capacity (lbs.): 80
Spindle Taper: MT-3
Base Dimensions (in./ LxWxH): .... 13 3/4 x 22 3/4
Base Work Table (in.): .... 13 x 8 1/2
Base Slots Number and Size (in.): .... 2 & 5/8
Motor: .... 1 1/2 HP, 115/230V, 1Ph (Prewired 115V)
Overall Dimensions (in./LxWxH): .... 31 1/2 x 18 1/2 x 66
Net Weight (lbs.): 282

JET **354170**



15 IN. 6-SPEED DRILL PRESS

JET's heavy-duty 6-speed Step Pulley Drill Press is manufactured with the weight and rigidity to maintain the tight tolerances required of metalworking applications. The oversized, massive drill heads have widely spaced bearing surfaces for full quill support throughout its travel. JET included a wider range of operation speeds for drilling both small and larger holes with quick and easy speed changes.

Features

- Constructed to provide a solid base for drilling
- Offers a greater range in spindle speeds than others in this class
- Larger quill provides greater accuracy
- Large production work table gives the operator the room to work and support for the job
- 3" Column for head support, while the quill is also supported to lessen deflection

Standard Equipment:

- 1/2" Drill chuck and arbor
- Drill chuck guard

Specifications

Drills to Center Circle (in.): 15
Drilling Capacity Cast Iron (in.): 5/8
Drilling Capacity Mild Steel (in.): 1/2
Column Diameter (in.): 3
Distance Column to Spindle (in.): 15
Range of Spindle Speeds (RPM): ..375, 625, 1,125, 1,950, 3,400, 5,000
Spindle Travel (in.): 6
Spindle Distance to Base (in.): 44 1/2
Max Distance Spindle to Table (in.): 25 3/4
Table Size (in.): .... 15 x 18
Table Travel (in.): 16 3/4
T-Slots Number and Size (in.): ....2 and 1/2
T-Slot Centers (in.): 5 5/16
Work Table Weight Capacity (lbs.): 90
Spindle Taper: MT-2
Base Dimensions (LxWxH/ in.): .... 20 7/8 x 14 3/16 x 31/8
Base Work Table (in.): .... 12 1/8 x 1 13/16
Base Slots Number & Size (in.): ....2 and 1/2
Motor: .... 1 HP, 115/230V, 1Ph, Prewired 115V
Overall Dimensions (in./ LxWxH): .... 30 x 20 x 71
Net Weight (lbs.): 394

JET **354500**

INDUSTRIAL COMBINATION BELT AND DISC FINISHING MACHINE



High-speed precision and amazing versatility. This rugged piece of equipment has a belt that operates at any angle, and conforms to curves, angles or circular finishing and grinding operations. Machinists who take great pride in their work prefer the JET Industrial Combination Belt & Disc Finishing Machine.

Features

- Belt operates at any angle
- Powered by a heavy-duty 1½ HP TEFC motor
- Fully machined, balanced disc runs vibration free
- Contour finishing, mitering, flat finishing, beveling and precision finishing
- Plain and compound miters are easily obtained by using the standard die cast aluminum miter gauge

Standard Equipment:

- Removable upper guard for contour finishing
- Completely enclosed drums and a guarded sanding belt
- Adjustable heavy-duty cast iron removable platen
- Variable position locks, belt head adjusts vertically, horizontally and in between
- Large cast iron slotted table
- Adjustable dust collector and dust chute
- Heavy-duty one piece steel stand

Specifications

Disc Size (in.):	12
Disc Speed (RPM):	1,960
Belt Size (in./W x L):	6 x 48
Belt Speed (SFPM):	2,850
Disc Table Size (in./L x W):	12 x 16⅜
Table Slots (in.):	⅜ x ¾
Disc Table Tilt (deg.):	45° out and 20° in
Motor:	1½ HP, 115V, 1Ph
Overall Dimensions (in./ L x W x H):	26 x 19 x 58
Net Weight (lbs.):	250

JET **414551**

1 IN. X 42 IN. BENCH BELT AND 8 IN. DISC SANDER



Every shop needs a combination Sander capable of delivering premium finishes every time. The *JET* **577003** is a powerful and versatile machine, performing the work of a jig saw, coping saw or hand file removing material and creating a superior finish at the same time. Deluxe miter gauge, removable platen and cast iron construction are among the features that draw pros to this JET machine.

Features

- Miter gauge turns and locks for common angles 45° left and right
- Removable platen allows for sanding, grinding or finishing of outside curves or odd shaped work pieces on the belt
- Hinged idler wheel cover
- Abrasive belt unit does the work of a jig-saw, coping saw or hand file while removing material and finishing at the same time, allows the operator to get into small openings plus handle odd shapes and angles

Standard Equipment:

- Miter gauge
- Cast iron tilting table
- Cast construction
- Heavy-duty steel base and rubber feet
- Removable platen
- Adjustable dust deflector and dust chute

Specifications

Disc Diameter (in.):	8
Disc Speed (RPM):	1,725
Belt Size (in./W x L):	1 x 42
Belt Speed (SFPM):	3,000
Disc Table Size (in.):	4 x 10
Table Slots (in.):	⅝
Disc Table Tilt (deg.):	45° out
Motor:	⅓ HP, 115V, 1Ph
Overall Dimensions (in./ L x W x H):	21 x 22 x 14
Net Weight (lbs.):	62

JET **577003**

6 IN. X 48 IN. BELT AND 10 IN. DISC MACHINE



This JET Combination Belt and Disc Machine offers every user a desirable combination of power, precision and versatility. Belt changes are quick and easy, and mitering applications are no problem for a superior finish to every job.

Features

- Two cast iron tilting tables for mitering applications
- Quick-release tension mechanism makes belt changes quick and easy
- Enclosed base protects motor from dust and debris
- Full access to the belt when tilted in the horizontal position
- Dust collection shrouds on belt and disc
- Removable safety key switch
- **Standard Equipment:**
- Miter gauge
- Heavy-duty one piece steel stand

JET **414550K**

Specifications

Disc Size (in.):	10
Disc Speed (RPM):	2,100
Belt Size (in./W x L):	6 x 48
Belt Speed (SFPM):	1,650
Disc Table Size (L x W/in.):	7½ x 13
Table Slots (in.):	⅝
Disc Table Tilt (deg.):	45° out
Motor:	1HP, 115V, 1Ph
Overall Dimensions (in./ L x W x H):	23 x 26 x 61
Net Weight (lbs.):	170

2 IN. X 42 IN. BENCH BELT AND 8 IN. DISC SANDER



Another JET combination Bench Belt and Disc Sander designed to deliver the superior finish. The design of this machine permits sanding, grinding and finishing of outside curves or odd-shaped pieces. Heavy-duty base, cast construction and cast iron tilting table means you are getting the very best JET has to offer.

Features

- Deluxe miter gauge that turns and locks for common angles, 45° both left and right
- Allows for sanding, grinding or finishing of outside, curves or odd shaped work pieces on the belt
- Hinged idler wheel cover
- Abrasive belt unit does the work of a jig saw, coping saw or hand file while removing material and finishing at the same time, allows the operator to get into small openings, plus handle odd shapes and angles

Standard Equipment:

- Miter gauge
- Cast iron tilting table
- Cast construction
- Heavy-duty steel base and rubber feet
- Removable platen
- Dust deflector and chute

Specifications

Disc Diameter (in.): 8
Disc Speed (RPM): 3,450
Belt Size (in./W x L): ..... 2 x 42
Belt Speed (SFPM): 3,100
Disc Table Size (in.): ..... 10¾ x 7½
Disc Table Tilt (deg.): ..... 45° out
Motor: ..... ¾ HP, 115V, 1Ph
Overall Dimensions (in./L x W x H): ..... 20½ x 22¾ x 20
Net Weight (lbs.): 60

JET **577004**

3 IN. X 79 IN. BELT GRINDER



Perhaps the thing operators notice first when putting the *JET* **414610** through its paces is how safe and easy it is to use, even when grinding larger pieces along the entire length of the belt. Pivoting belt assembly and hinged top cover, advanced belt tracking, vented and fixed front wheel and the JET exclusive Spark Arrester allow broad use of this JET Belt Grinder. Power and precision you can count on; backed by the industry-leading Two Year Warranty.

Features

- Pivots up and down on base for easy and safe work height adjustments
- Hinged top cover opens for access to grind large pieces using the entire length of the belt
- Advanced belt tracking with vented front wheel fixed in place for rigidity when grinding on the wheel radius
- Sturdy enclosed base
- Fully assembled for immediate use
- Locking handle for top cover
- 3" Round connector and hose clamp for ease of mounting to a metal-working dust collection system
- JET exclusive Spark Arrester to prevent sparks from flying while using the full length of the belt
- Supplied with 3 extra 80 grit Silicon Carbide Belts standard 3" x 79" Belt grinders

Specifications

Belt Size (in. / W x L): ..... 3 x 79
Belt Speed (SFPM): 6,600
Contact Wheel Size (in. W x dia.): ..... 3 x 8
Full Grinding Plane (in. W x L): ..... 3 x 21
Motor: ..... 4 HP, 220V, 1Ph
Net Weight (lbs.): 200

JET **414610**

12 IN. INDUSTRIAL DISC FINISHING MACHINE

Fine finishing requires a skilled hand. This JET Industrial Disc Finishing Machine enables you to put both metal and wood to the disc, with equally superior results. A fully machined, balanced disc eliminates vibration, and the defects that might otherwise occur. Achieve plain and compound mitering for unique finishes. Professionals take pride in their work, and that's why they turn to JET.

Features

- Optimum speed of 1,960 RPM, which is ideal for both metal and wood finishing
- Fully machined, balanced disc runs vibration free
- Easy to read scale shows exact degree of table tilt
- Plain and compound miters are easily obtained by using the standard die-cast aluminum miter gauge

Standard Equipment:

- Miter gauge
- Heavy-duty one piece steel stand

Specifications

Disc Diameter (in.): 12
Disc Speed (RPM): 1,960
Disc Table Size (in./L x W): ..... 12 x 16⅜
Table Slots (in.): ..... ⅜ x ¾
Disc Table Tilt (deg.): ..... 45° out and 20° in
Motor: ..... 1½ HP, 115/230V, 1Ph, Prewired 115V
Overall Dimensions (in./ L x W x H): ..... 16 x 19 x 43
Net Weight (lbs.): 175

JET **414602**



SHOP BENCH GRINDERS



For shops that may be short on space, a cast iron JET Bench Grinder delivers work power and pristine finishes. Built to withstand the high-volume demands of even the busiest shops, this high-quality machine grinds, sharpens and smooths with equal precision and flawless results.

Features

- UL listed
- Totally enclosed pre-lubricated ball bearings
- Heavy-duty guarded toggle switch on 8" and 10"
- Rubber mounts prevent movement

Standard Equipment:

- Cast iron wheel guards and dust vents
- One-piece quick adjusting spark guards
- Large eye shields with quick adjustment
- Adjustable tool rests
- Fine and coarse vitrified grinding wheels included

Item No.	*JET* **577101**	*JET* **577102**	*JET* **577103**
Shaft Diameter (in.):	1/2	5/8	1
Wheel Diameter (dia. x W/in.):	6 x 3/4	8 x 1	10 x 1
Wheel Speed (RPM):	3,450	3,450	1,725
Wheel Grits:	36/60	36/60	24/46
Motor:	1/2 HP, 115V, 1Ph	1 HP, 115V, 1Ph	1 1/2 HP, 115V, 1Ph
Overall Dimensions (in./ L x W x H):	17 x 10 x 9	19 x 12 x 11	25 x 16 x 15
Net Weight (lbs.):	38	60	110

METAL DUST COLLECTOR



JET'S new Metal Dust Collector is great for collecting abrasive dust from belt & disc finishing and grinding machines. Chips and dust collect into a metal drawer that is easy to clean, and no cloth bag eliminates the risk of a fire! Two 3" chutes allows you to attach two different machines, and portable casters allow for use throughout your shop. Enhance the health and safety levels in your shop with JET innovation.

Features

- Non-sparking aluminum housing and fan blade
- Easy to empty clean-out drawer
- Easy to change air filter
- Quiet, effective dust collection method
- Portable on 4 casters and 2 handles for ease of movement
- 3" to 2" Hose adapter include

Specifications

Maximum CFM:.....490
Maximum Hose Velocity (SFPM): 5610
Filter (W x L x D/in.): .....19 x 9 1/2 x 1 3/4
Filter Efficiency:..... 99% @5micron
DBA @ 5':.....75
Hose Size (in.): ..... 3 (2) with adapter
Motor: .....1 1/2 HP, 115V, Single Phase
Net Weight (lbs.):.....157
Overall Dimensions (L x W x H/in.) with wheels: .....30 5/8 x 20 7/8 x 29

JET **414700** Metal Dust Collector
JET **414705** Pair of Replacement Filters

PEDESTAL STAND FOR BENCH GRINDERS



Features

- Heavy-duty cast iron construction provides strength and durability
- Wide stance base gives you a stable grinder workstation
- Coolant tank and tool tray are on an adjustable platform for your convenience
- Compatible with all JET Bench Grinders

Specifications

Mounting Surface (in./ L x W): .....11 x 10
Overall Dimensions (in./ L x W x H): ..... 31 x 21 x 5
Net Weight (lbs.):.....52

JET **577172**



52 IN. PNEUMATIC SHEAR

The *JET* **756203** delivers the strength and accuracy your shop demands in a rugged, cast-iron grade frame. Capable of making the big cuts, and versatile enough to handle just about any job you need completed. The pneumatic control system ensures smooth operation and smooth cuts along the precision-aligned bed and beam.

Features

- High-quality cast-iron grade frame to eliminate deflection across the blade-span and blade framework
- Low cutting angle to cut narrow strips without twisting
- Precise bed and beam alignment assures working accuracy
- Adjustable working bed for correct setup according to the blade clearance
- 16 gauge maximum cutting capacity for mild-steel
- 12-14 gauge maximum cutting capacity for aluminum and copper alloys

Specifications

Max. Soft Alloy Capacity (Gauge): ..... 12 - 14
Mild Steel Capacity (Gauge): 16
Shearing Length Capacity (in.):.....52
Back Gauge Capacity (In.):..... 28 1/2
Front Gauge Capacity (In.):.....28
Strokes per Minute (Full Length):.....40
Air Consumption per Stroke (CFM):.....1.3
Air Consumption (CFM):.....25.3
Overall Dimensions (in./ L x W x H): ..... 60 x 24 x 43
Net Weight (lbs.):.....1,048

JET **756203**

FOOT SHEAR

JET Foot Shear with high quality, hardened and tempered stainless steel blades are ideal for precision shearing of mild steel up to 16 gauge. An adjustable hold down clamp keeps materials secure during operation to prevent errors, and compound leverage allows the user to perform work within the machine's rated capacity with ease.



Features

- Ideal for precision shearing of mild steel up to 16 gauge
- Two-way blade configuration provides twice the cutting life
- Upper blade is two-way; bottom blade is one-way
- 2° angle cutting edge; 1° face relief

Specifications

Mild Steel Capacity (Gauge): 16
Shearing Length Capacity (in.):.....52
Back Gauge Capacity (in.):.....30
Front Gauge Capacity (in.):.....28
Overall Dimensions (in./ L x W x H): ..... 63 x 74 x 42
Net Weight (lbs.):.....1,014

JET **752652**

COMBINATION SHEAR, BRAKE AND ROLLS

JET innovation allows machine shop professionals the ability to perform several vital tasks with a single compact machine. The Combination Shear, Brake and Roll handles the jobs of three separate machines, adding tremendous versatility to your metal forming operation, without crowding the shop floor. This high-quality triple threat is backed by the JET industry leading Two Year Warranty.



Features

- Combination shear, brake and roll in one compact machine
- Right or left hand operation
- Shear can be used for mild steel, aluminum, brass, copper, lead, plastic and zinc
- Brake is equipped with easily removable fingers that permit angle, channel, box and other complex bending operations
- Slip rolls are precision turned and ground with wire grooves

Standard Equipment:

- Set of male dies
- One set of female dies
- Dual edge shear blade
- Spring-loaded work hold down
- Back gauge

Item No.	*JET* **756031**	*JET* **756041**
Mild Steel Capacity (Gauge):	20	20
Shearing Capacity (Gauge):	20	20
Bending Capacity (Gauge):	20	20
Rolling Capacity (Gauge):	20	20
Size of Slip Roll (in./ L x Dia.):	30 x 1 1/2	40 x 1 5/8
Width of Upper Dies (in.):	1, 2, 3, 6, 8, 10	1, 1 1/2, 2, 2 1/2, 4, 7,10, 12
Upper Die Height (in.):	4 11/16	4
Min. Forming Radius (in.):	3/4	1
Wire Grooves (in.):	1/8, 3/16, 9/32	3/16, 9/32, 3/8
Base Dimensions (in./ L x W x H):	14 1/2 x 32 3/8	16 1/2 x 43
Overall Dimensions (in./ L x W x H):	40 x 16 x 24	56 x 23 x 30
Net Weight (lbs.):	290	575
Floor Stand:	*JET* **754030**	*JET* **754040**



FLOOR BOX AND PAN BRAKES WITH FOOT CLAMPS

JET Floor Box and Pan Brakes with foot clamp provide precision and durability with innovative ergonomic features. These ensure ongoing accuracy and operation, without user fatigue, all backed by the JET Two Year full warranty.

Features

- Wide assortment of finger widths allow greater versatility in the shop
- Black ceramic coated fingers prevent rust and ensure longer finger life
- All body sections are welded steel plate with heavy truss rods and braces designed to give greater strength and durability
- Stop rod for repeatable bending
- Material clamping is foot operated to save strain on back and arms
- Hydraulic spring to assist in raising the clamping handle
- **Standard Equipment:**
- Total of 16 assorted size section fingers

Item No.	*JET* **752125**	*JET* **752127**
Mild Steel Capacity (Gauge):	12	14
Bending Length Capacity (in.):	40	50
Max. Clamping Bar Lift (foot operated):	1 7/8	1 7/8
Maximum Box Depth (in.):	4	2 1/2
1Finger @ Width (in.):	1 1/8, 1 3/8, 1 1/2, 1 3/4, 2, 3, 4, 6, 7 3/4, 10-5/8	1 1/8, 1 3/8, 1 1/2, 1 3/4, 2, 3, 4, 6, 7 3/4, 10, 10 5/8
Finger Nose Angle (degree):	42	42
Nose Radius (in.):	1/32	1/32
Overall Dimensions (in. LxWxH):	58 x 25 x 50	67 x 28 x 50
Net Weight (lbs.):	705	900

FLOOR MODEL BOX AND PAN BRAKES



Box and Pan Brakes from JET are perfect for the larger, high volume shop that requires versatility yet demands rugged durability and bending precision.

Features

- Wide assortment of finger widths allow greater versatility in the shop
- All body sections are welded steel plate with heavy truss rods and braces designed to give greater strength and durability
- Both the bed and apron are bored in line to assure the utmost accuracy

Item No.	*JET* **754100**	*JET* **752102**
Mild Steel Capacity (Gauge):	12	16
Bending Length Capacity (in.):	48	96
Maximum Lift of Beam (in.):	1 1/2	2 1/4
Maximum Box Depth (in.)	4	4
Beam Adjustment (in./front to rear)	7/8	1
Number and Width of Fingers (in.):	5@3, 2@4, 5@5	5@3, 6@4, 9@5, 2@6
Finger Nose Angle (deg.):	45	45
Nose Radius (in.):	1/32	1/32
Overall Dimensions (in./ L x W x H):	70 x 34 x 52	142 x 32 x 61
Net Weight (lbs.)	1,477	1,985



BENCH MODEL BOX AND PAN BRAKE

Operates like your standard brake, but with greater versatility and wide range of applications. Easy-to-move sectioned fingers enhance user capability to perform custom forming.

Features

- Incorporates all the features of our standard brakes but with greater range of applications
- With fingers installed it can be used as a full-length nose bar, turning the machine into a straight bending brake
- Sectioned fingers are easily removed for box bending and special forming operations

Standard Equipment:

- Total of 16 assorted size section fingers

Mild Steel Capacity (Gauge): 16
Bending Length Capacity (in.):.....48
Maximum Lift of Beam (in.):..... 1 1/4
Maximum Box Depth (in.):.....4
Beam Adjustment (in./front to rear): 5/8
Number and Width of Fingers (in.):.....5@2, 6@3, 5@4
Finger Nose Angle (deg.):.....45
Nose Radius (in.): 1/32
Overall Dimensions (in./ L x W x H): ..... 75 x 19 x 34
Net Weight (lbs.):.....430

JET **752116**



50 IN. ELECTRICAL POWER SLIP ROLLS

Rugged frame and base ensure that hardened polished, high-carbon steel rolls on the JET Electrical Power Slip Roll deliver smooth, even results. All electrical and rotating parts are designed to enhance operator safety and comfort during use. Easy setup and operation, this is a must-have for any HVAC or fabrication shop.

Features

- Valuable machine tool for sheet metal forming in HVAC and FAB shops
- Three-roll machine with two driven rolls.
- Rolls are made of hardened polished high-carbon steel
- Heavy-duty frame and base insure precise sheet metal rolling
- Easy setup and operation
- Forming roll has attached position scale for equal pressure adjustment
- Weight and rigidity; scale and precision; strength and simplicity define exceptional comfort and ease of operation.
- Convenient foot-control assembly with emergency-button
- All electrical and rotating parts are designed for safety and comfortable operation during machine use.

Item No.	*JET* **756027**	*JET* **756028**
Mild Steel Capacity (Gauge):	16	16
Maximum Forming Length (In.):	50	50
Number and Dia. of Rolls (In.):	3, 3	3, 3
Minimum Forming Radius (In.):	2	2
Wire Grooves (In.):	5/16, 3/8, 1/2	5/16, 3/8, 1/2
Motor:	1 1/2 HP, 115/230V, 1Ph Prewired 230V	1 1/2 HP, 230V, 3Ph
Overall Dimensions (in./ L x W x H):	71 x 24 x 43	71 x 24 x 43
Weight (lbs.):	877	877

SLIP ROLLS



JET manual slip rolls have a forming width of 24", 36" & 50" with a capacity of 20, 22 & 16 gauge mild steel. These machines have two driven rolls of precision turned, ground and polished carbon steel. They are the perfect sheet metal forming machines to have in any general fabrication, school, racing or HVAC shop. The highly rigid construction frame ensures precision roll bending for decades of production. This sheet metal roller comes standard with three wire or rod grooves.

Features

- Suitable for many industrial, educational and vocational shop uses
- Precision turned carbon steel rolls that are ground and polished
- Large roll adjusting screws facilitate lifting
- Upper roll for easy material removal
- **Standard Equipment:**
- Wire grooves are standard on *JET* **756020**, *JET* **756026** and *JET* **756050**.

Item No.	*JET* **756020**	*JET* **756026**	*JET* **756050**
Mild Steel Capacity (Gauge/in.):	20	22	16
Max. Forming Length (in.):	24	36	50
Number and Diameter of Rolls:	3 and 2	3 and 2	3 and 3
Min. Forming Radius (in.):	1	1	2
Wire Grooves (in.):	3/16, 1/4, 5/16	3/16, 1/4, 5/16	1/4, 5/16, 3/8
Overall Dimensions (in./ L x W x H):	50 x 14 x 14	62 x 14 x 14	67 x 16 x 20
Net Weight (lbs.):	216	256	565



FLOOR STANDS FOR BENCH MODEL METALFORMING MACHINES

- We offer stands that fit our bench model hand brakes, box & pan brakes, slip rolls and combination shear, brake and rolls.

Item No.	*JET* **754200**	*JET* **754024**	*JET* **754030**	*JET* **754036**	*JET* **754040**	*JET* **754051**
Fits:	BP-2248H BP-1648H HB-2248H HB-1648H	*JET* **756020**	*JET* **756031**	*JET* **756026**	*JET* **756041**	*JET* **756060**
Overall Dimensions (in./ L x W x H):	56 1/2 x 18 1/4 x 28	30 x 14 x 28	40 x 16 x 24	42 x 14 x 28	49 x 21 x 30	68 x 22 x 30
Net Weight (lbs.):	85	35	45	51	82	70

HAND NOTCHER



JET's high quality cast iron sheet metal Notcher is ideal for any garage or sheet metal shop. Its compact design makes it perfect for on-site use. The cutting angle is fixed at ninety degrees and can notch up to 6" x 6" in one manual stroke.

Features

- Made of cast iron
- Capable of notching virtually any shearable material
- Can notch angles of more than 90° through a two-step process
- Easy-to-read front gauges
- Heavy-duty cutting blade

Cutting Capacity (Gauge): 16
Piercing Capacity (Gauge): 18
Maximum Notch (in.): ..... 6 x 6
Stroke (in.): 3/4
Overall Dimensions (in./ L x W x H): ..... 24 x 21 x 26
Net Weight (lbs.): 165

JET **756016** Hand Notcher
JET **754017** Stand

24 IN. PROFESSIONAL PLANISHING HAMMER



JET's 24" Planishing Hammer has a quick change set up on the upper dies and a deep throat that works to the middle of most panels. The head with 3-speed regulator is capable of 4,400 – 4,800 / 3,200 – 3,500 / 1,800 – 2,000 blows-per minute (BPM). Easy-to-reach, adjustable flow control valve allows the user to deliver the proper BPM needed for any job. Operates on standard shop air.

Features

- Smooths beads and forms mild steel sheet metal up to 16 gauge
- Smooths beads and forms aluminum and copper up to 1/8" thick
- Machine is supplied with an upper and anvil die set
- 3-Position airflow regulates speed of pneumatic hammer
- Machine controlled with 110V foot control
- 2-Die Set Brackets
- Quick change of upper dies

Frame Tube Size (in.): ..... 4 x 4
Throat (in.): 24
Head Opening (in.): 2 1/2
Maximum Pressure (psi): 90
Air Consumption (CFM): 8.8
3-Speed Regulator (blows per min.): ..... 1,800 - 4,600
Noise Level (dB): ..... 92.26 - 104.3
Overall Dimensions (in./L x W x H): ..... 34 x 30 x 61
Net Weight (lbs.): 258

JET **756121**

45 IN. PROFESSIONAL ENGLISH WHEEL



JET's highly versatile and highly effective metal-forming and shaping machines are designed to form compound curves in sheet metal for the restoration of collectible cars, motorcycles, and airplanes. This English Wheel has an upper rolling wheel and comes standard with 4 rolling wheels and 10 lower anvil wheels with different crowns to create different radiuses.

Features

- Rolls beads and forms mild steel sheet metal up to 16 gauge
- Rolls beads and forms aluminum and copper up to 1/8" thick
- Machine supplied with 10 anvils and 4 rolling wheels
- Three sets of popular fender groove shaping wheels
- Screw lift assembly designed for comfort and precise pressure setup
- Quick cam handle releases the work piece
- Both wheels swivel 90°
- Quick wheel change without using any tooling
- Wheels supplied with sealed bearings for smooth operation
- Heavy-duty frame
- Storage brackets for rolling and anvil wheels
- Throat 45"
- Rolling wheels 6" diameter

Frame Tube Sizes (in.): ..... 4 x 4
Throat (in.): 45
Head Opening (in.): 6
Head and Anvil Sit Swivel (deg.): 90
Rolling Wheels Diameter (in.): 6
Overall Dimensions (in./ L x W x H): ..... 64 x 31 x 58
Net Weight (lbs.): 575

JET **756151**

ARBOR PRESSES



Every JET arbor press is made of a heavy ductile iron casting that offers incredible strength and rigidity to the overall framework. The base, ram housing, framework and 4 position bottom plate are precision machined for unquestioned accuracy.

Features

- For all production and assembly applications
- Precision cut steel rams and pinions for accurate operation
- Tables and slotted table-plates are flat and parallel to provide accurate support

Item No.	*JET* 333605	*JET* 333610	*JET* 333620	*JET* 333630	*JET* 333650
Diameter of Work (in.):	6 5/8	8	11 3/8	10 3/4	17
Capacity Over Table (in.):	4 3/4	5 7/8	9	12 1/2	18 1/8
Size of Ram Face (in.):	3/4 x 7 7/8	1 x 9 1/8	1 1/4 x 13	1 1/2 x 18	2 x 27 1/2
Approx. Pressure (tons):	1/2	1	2	3	5
Ram Bore (in.):	3/8	3/8	1/2	1/2	1/2
Height (in.):	10.9	12	16 1/4	21 1/2	35
Base Size (in.):	4 x 9 1/2	5 x 10 3/4	6 3/8 x 17	8 1/2 x 18	9 7/8 x 26
Net Weight (lbs.):	19	27	68	108	262

MANUAL PIPE BENDERS

JET Manual Hydraulic Pipe Benders are the bender of choice among fabricators who need a hydraulically powered, easy to use bending machine for general fabrication work, whether on the job or at home. Since no external power is needed to operate, it is ideal for use on the job site.



Features

- Simple manual operation for ease of use
- Six bending dies included standard for 2" (1/2", 3/4", 1", 1 1/4", 1 1/2", 2")
- Eight bending dies included standard for 3" (1/2", 3/4, 1", 1 1/4", 1 1/2", 2", 2 1/2", 3")
- Rotating stand locks in three positions for stability and versatility
- Heavy-duty hydraulic cylinder capable of bending schedule 40 pipe
- Completely manual so external power is not needed

Item No.	*JET* 331900	*JET* 331910
Pipe Size Capacity (in.):	1/2-2	1/2-3
Max. Pipe Wall Thickness (in.):	1/5	6/25
Maximum Load (tons):	9	20
Piston Stroke (in.):	10 1/4	12 5/8
Ram Diameter (in.):	1 3/4	2 1/3
Overall Dimensions (in./ L x W x H):	40 x 26 x 28 3/4	40 x 35 x 28 3/4
Net Weight (lbs.):	115	260



J SERIES PALLET TRUCK

JET® J Series Pallet Truck has a low profile of 2 1/2 inches, width of 27 inches, and length of 48 inches. High quality welded steel construction allows for capacities up to 5,000 pounds. The 180 degree turning radius increases maneuverability and the easy-to-use fingertip controls permit single handed operation.

Features

- Capacity: 5,000 pounds
- Turning Radius: 180 degrees
- 2 1/2 inch low profile allows for easy engagement of pallets
- Easy-to-use fingertip controls permit single handed operation
- Welded all-steel frame and powder coat finish provide maximum durability and protection
- Chrome-plated pump piston and ram provide corrosion resistance in any industrial environment
- Poly over steel 6 1/4 x 2 3/4 inch steer wheels ensure contact with uneven floors
- Steer wheels feature double sealed lubricated bearings

Specifications

Capacity (lbs.): 5,000
Overall Fork Dimensions (w x l) (in.): ..... 27 x 48
Lowered Height (in.): 2 1/2
Maximum Height (in.): 6 1/4
Fork Width (in.): 6
Steer Wheel Size (in.): ..... 6 1/4 x 2 3/4
Load Wheel Size (Od x w) (in.): ..... 2 1/2 x 3 3/4

Dimensions

W1 Fork Width (in.): 27
W2 Overall Width (in.): 6
L1 Fork Length (in.): 48
L2 Overall Length (in.): 63
H1 Max. Raised Height (in.): 6 1/4
H2 Min. Raised Height (in.): 2 1/2
A Steer Wheel Dimensions (in.): 6
B Fork Wheel Dimensions (in.): 2
C Overall Height (in.): 45 1/8

JET **151009**

SC SERIES METAL SERVICE CART

Features

- Smooth rolling 5 inch hard rubber wheels, two swivel and two fixed for increased maneuverability
- Reversible 3 1/2 inch deep metal trays, each have a capacity of 250 pounds
- Industrial all-steel design for strength and durability
- Rolled steel edges reduce damage to property and personnel



Specifications

Capacity (lbs.): 500
Shelf Size (L x W) (in.): ..... 24 x 36 x 3 1/2
Lower Shelf Height (in.): 6 1/4
Tray size (W x L x D) (in.): ..... 24 x 36 x 3 1/2
Upper Shelf Height (in.): 28 1/2
Height Between Shelves (in.): 18 3/4
Caster Size (in.): ..... 5 x 1
Wheel Type: ..... Rubber
Wheel Size (in.): 5
Overall Height (in.): 32
Overall Size (L x W x H) (in.): ..... 39 x 24 x 32

JET **140024**

PUC SERIES SERVICE CARTS

Features

- Quiet, non-marking 5 inch casters for increased maneuverability
- Industrial-duty, resin design that resists dents, chips, scratches and corrosion
- Rounded edges reduce damage to property and personnel
- Handle includes built-in storage bins for versatility



Item No.	*JET* 140018	*JET* 140019
Capacity (lbs.):	550	550
Shelf Size (L x W) (in.):	31 1/8 x 17 1/8	37 3/8 x 25 5/8
Lower Shelf Height (in.):	6	6
Tray size (W x L x D) (in.):	31 1/8 x 17 1/8	37 3/8 x 25 5/8
Upper Shelf Height (in.):	33 1/2	33 1/2
Height Between Shelves (in.):	19 1/2	19 1/2
Caster Size (in.):	5 x 1	5 x 1
Wheel Type:	Rubber	Rubber
Wheel Size (in.):	5	5
Overall Height (in.):	33 1/2	33 1/2
Overall Size (L x W x H) (in.):	39 3/4 x 17 1/8 x 33 1/2	46 x 25 5/8 x 33 1/2

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LINCOLN



20-VOLT LI-ION POWERLUBER®

Cordless operation makes greasing fittings quick and effortless on all types of vehicles, construction equipment, Ag equipment and industrial equipment. Dual speed design. 36" flex hose. 20 Volt DC. Stable 3-point stance keeps the tool upright and within reach. Electronically controlled two-speed design. Comfortable over-molded grip. Multi-functional LCD identifies grease output and loss of prime. Built-in LED illuminates dimly lit areas. Lithium battery technology provides powerful, efficient and long lasting performance.

BK **715-1430** Includes: (1) Grease Gun, (1) Battery, (1) Charger, (1) Case.
BK **715-1431** Includes: (1) Grease Gun, (2) Batteries, (1) Charger and (1) Case.

Hose Length and Size:..... 36"
Output Volume: ..... 10,000 psi
Per Minute Output: ..... 3 oz. (Low) / 6 oz. (High)
Dispenses per Charge: ..... 14 grease cartridges
Grease Output in Cold Temperatures:.....down to 10°F (-12°C)

Item No.	Description
BK **715-1430**	With 1 Battery
BK **715-1431**	With 2 Batteries
BK **715-1432**	20V Max. Li-Ion Charger
BK **715-1433**	20V Max. Li-Ion Battery



BK **715-1570**

LUBE EQUIPMENT BATTERY PACK

Heavy-duty 18-volt lithium-ion battery easily slides on and locks into place. Fits item numbers *BK* **715-1568** and *BK* **715-1569**.



BK **715-1571**

Item No.	Description
BK **715-1570**	Battery Pack
BK **715-1571**	Charger for *BK* **715-1570**



BK **715-1548**



BK **715-1549**

POWERLUBER® BATTERY AND CHARGER

Item No.	Description
BK **715-1548**	14.4 Volt DC Battery for *BK* **715-1551** and *BK* **715-1547**
BK **715-1549**	14.4 Volt DC / 18 Volt DC Charger For *BK* **715-1548**, *BK* **715-1547**, *BK* **715-1551**, *BK* **715-1561** and *BK* **715-1559**

MOBILE BATTERY CHARGER

Mobile 12/24 Volts DC charger provides the flexibility of recharging when out of the shop. Features automatic trickle charge mode and fits *BK* **715-1548** and *BK* **715-1561**.



BK **715-1572**

POWERLUBER® 18-VOLT PERFORMANCE GREASE GUN KITS



BK **715-1559**



Developed for heavy-duty applications, these 18-volt grease guns combine battery technology and a high-output motor, creating outstanding run time. Delivers exceptional performance with a two speed transmission for a high pressure or high volume grease flow option. Ergonomic design reduces hand fatigue, increasing productivity. High-strength, composite body with metal gear and pump housing provides outstanding durability, without weight penalty. Patented pumping mechanism and high-tolerance, piston to bore clearances provide unmatched efficiency. Hose Length: 30".

Specifications

Bulk Filler Valve: ..... Yes
Cartridges Dispensed Per Charge* 8-10
Charge Time: ..... 45 Min.
Charger Voltage Range: 14-18
Compact Carrying Case: ..... Yes
Grease Flow Indicator:.....Patented Stroke Counter
Output Pressure: 7,500
Output Rate:**.....3 Oz./Min. (L)-9 Oz./Min. (H)
Overload Protection:.....Circuit Breaker/Pressure Relief Valve
Quick Vent Air Purge Valve: ..... Yes
Transmission: 2-Speed
Voltage: 18

* Many variables may increase/decrease volume, including grease type, ambient temperature, back-pressure and cycle time.
** @ 1,000 PSI back-pressure, NLGI #2, 72° F.

Item No.	Description
BK **715-1559**	18 Volt PowerLuber® Grease Gun Kit with One Battery
BK **715-1560**	18 Volt PowerLuber® Grease Gun Kit with Two Batteries
BK **715-1561**	18V Replacement Battery
BK **715-1572**	Charger for *BK* **715-1561** Battery

POWERLUBER® 12-VOLT CORDLESS RECHARGEABLE GREASE GUN KITS

Includes PowerLuber® Cordless Grease Gun (*BK* **715-1535**), 12-Volt NiCad Battery (*BK* **715-1541**) and 110-volt one-hour Battery Charger (*BK* **715-1542**). Available with, or without blow-molded carrying case. Rated @: 6,000 PSI.



BK **715-1536**

Item No.	Description
BK **715-1536***	12 Volt PowerLuber® Grease Gun Kit w/Case
BK **715-1541**	Battery, 12V. NiCad
BK **715-1542**	Battery Charger, 110V 1 Hr. Battery/Cordless Tool Charger
BK **715-1538**	Grease Coupler, Super-Duty, 6,000 PSI Working Pressure
BK **715-1543**	Hose, 18" Whip
BK **715-1544**	Hose, 24" Whip
BK **715-1545**	Hose, 30" Whip
BK **715-1546**	Hose, 36" Whip

NOTE: Grease cartridges and extra 12-volt battery sold separately.

LINCOLN

POWERLUBER® 120-VOLT AC PERFORMANCE CORDED GREASE GUN



The first of its kind in the industry! Motor provides the highest torque values available. Ideal for filling grease reservoirs, the 120-volt grease gun is an excellent alternative to pneumatic lube tools. Ergonomic design reduces hand fatigue, increasing productivity. High strength, composite body with metal gear and pump housing provide outstanding durability, without weight penalty. High-pressure hose with dual spring guards, coupler and cord clip. Patented pumping mechanism and high-tolerance piston to bore clearances provide unmatched efficiency. Hose Length: 30". Provides excellent grease flow control with variable speed trigger combined with a 2-speed transmission.

Specifications

Bulk Filler Valve: ..... Yes
Cartridges Dispensed Per Charge: ..... Unlimited
Compact Carrying Case: ..... Yes
Grease Flow Indicator: ..... Patented Stroke Counter
Output Pressure: 7,000
Output Rate:* ..... 3.6 Oz/Min. (L)-8 Oz./Min. (H)
Overload Protection: ..... Pressure Relief Valve
Quick Vent Air Purge Valve: ..... Yes
Transmission: ..... 2-Speed w/Variable Trigger
Voltage: 120

**** @ 1,000 PSI back-pressure, NLGI #2, 72° F.***

BK **715-1565**

IR Ingersoll Rand

20V CORDLESS GREASE GUNS



- **Performance** – Get more done in less time with the unbeatable combination of operating pressure and flow rate that allows it to power through clogged fittings and deliver grease quickly to the application.
- **Comfort** – Work with greater comfort and less fatigue — lightweight 7.2-pound design, ergonomic handle with over-molded grip reduces vibration for extended use.
- **Durability** – Increase uptime and decrease maintenance — steel-reinforced metal gears, heavy-duty motor and robust housing protect against breakage in the harshest environments and withstand repeated drops and shop fluid damage.

Item No.	Battery Models	Voltage V, DC	Max Working Pressure psi (bar)	Flow Rate oz./min. (g/min.)	Grease Canister Capacity oz. (g)	Grease Type NLGI	Hose Length In. (mm)	Sound Level dB(A) (EN60745) Pressure † (LP)	Sound Level dB(A) (EN60745) Pressure ‡ (LW)	Vibration m/s2 (EN60745) Level	Tool Weight lb (kg)	Tool L x W x H In. (mm)
IR **LUB5130**	*IR* **BL2012**	20	6,250 (431)	2.6 (75)	14 (400)	2 – 4	30 (762)	66	77	0.2	7.2 (3.3)	19 x 8 x 4 (490 x 200 x 94)
IR **LUB5130-K12**	Kit Includes: Grease Gun, Charger, 1 Li-Ion (1.5 Ah) Battery and Case											

† KPA 3dB measurement uncertainty.
‡ KWA 3dB measurement uncertainty.

NASCAR® is a registered trademark of the National Association for Stock Car Auto Racing, Inc.

Legacy

BATTERY-POWERED 12-VOLT GREASE GUN



BK **715-2025**

Workforce™ cordless/rechargeable grease gun from Legacy™ provides superior performance and value. Includes gun, two Ni-Cad rechargeable batteries, one-hour fast charger, 30" hose, and carrying case.

Item No.	Description
BK **715-2025**	Grease Gun
BK **715-9004**	Replacement Battery
BK **715-9005**	Battery Charger

LINCOLN

AUTOMATIC AIR-OPERATED GREASE GUN

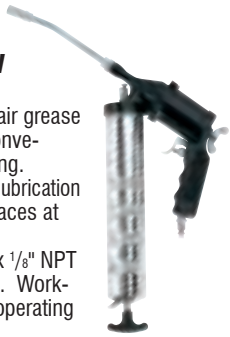


Fully automatic for continuous operation! Variable-speed trigger provides excellent flow control. Durable, advanced pump design eliminates traditional priming issues. High pressure, 30" hose includes coupler and attachment clip. Features accessible check valve assembly and comfort-grip. Combination filler nipple and bleeder valve included.

Specifications

Air Pressure Range: ..... 40-150 PSI (2.8-10.3 Bar)
Max. Grease Pressure: ..... 6,000 PSI (414 Bar)
Pump Ratio: ..... 40:1@150 PSI
Weight: ..... 5.375 lbs. (2.4 Kg.)
Output rate:* ..... 10 oz. per minute

BK **715-1562**



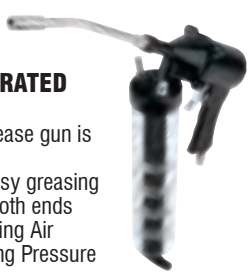
PISTOL-GRIP CONTINUOUS AIR FLOW GREASE GUN

Ergonomically designed professional quality air grease gun is perfectly balanced for comfort with convenience of one-hand operation for easy greasing.

- Patented Air Motor: Enables you to speed up lubrication
- Compact design facilitates work in tight spaces at every angle
- 1/4" NPT Air Inlet. 6" pipe with 3/8-32 UNEF x 1/8" NPT threads and 4 jaws coupler (*BK* **715-1151)**. Working air pressure of 40-150 PSI. Maximum operating pressure of 6,000 PSI (414 Bar)
- Pump Ratio: 40:1. Low operational noise
- Unique 360° rotating head design allows operator with a twist of the wingnut to lock the head in the optimum position to avoid obstacles
- Self-Priming. Equipped with air bleeder valve to release trapped air
- 3-Way Loading — 14 oz. cartridge, 16 oz. bulk fill or fill with pump
- Tough and resilient follower with heavy-duty spring for consistent priming — eliminates grease bypass and allows a superior seal for either cartridge or bulk loading applications
- Posi-lock follower rod with ergonomically designed T-handle provides positive grip and easy filling at any position

Item No.	Description
BK **715-1132**	Grease Gun
BK **715-1238**	Optional Hose, 18" 2 Springs, 1/8" NPT x 3/8-32 UNEF 7,500 PSI Working Pressure / 20,000 PSI Minimum Burst Pressure
BK **715-1239**	Optional Hose, 30" 2 Springs, 1/8" NPT x 3/8-32 UNEF 7,500 PSI Working Pressure / 20,000 PSI Minimum Burst Pressure

NOTE: Not for use with silicone grease.



PISTOL-GRIP SINGLE SHOT AIR-OPERATED GREASE GUN

- Ergonomically designed single shot air grease gun is perfectly balanced for comfort
- Convenience of one-hand operation for easy greasing
- 1/4" NPT air Inlet. 6" grease pipe 1/8" NPT both ends with 4 jaws coupler (*BK* **715-1151**). Working Air Pressure of 60-90 PSI. Maximum Operating Pressure of 3,000 PSI (205 Bar)
- Pump Ratio: 40:1
- 3-Way Loading — 14 oz. cartridge, 16 oz. bulk fill or fill with pump
- Chrome-plated barrel for maximum protection against corrosion
- Equipped with air bleeder valve to release trapped air. Also includes filler nipple (*BK* **715-1340**) for use with Grease Filler Pump (*BK* **715-1276**)
- Tough follower for superior seal and eliminates grease bypass
- Heavy-duty follower spring for consistent priming
- Heavy gauge steel barrel with wide band, non-slip knurling
- Posi-lock follower rod with ergonomically designed T-handle provides positive grip and easy filling at any position
- Outputs 3.5 oz. (100 g) of grease per 100 strokes

BK **715-1269**

Legacy



- **Quick-connect Barrel**
- **Never cross barrel threads again**
- **Reloading grease is TWICE as fast**

Flip the switch to go from High Volume mode (20% more per stroke) to Boost mode (10,00 PSI) to CLEAR CLOGGED FITTINGS in seconds!



MEGABOOST® LOCK-N-LOAD MANUAL GREASE GUN

- Automatic bleeder valve makes this gun the easiest to prime!
- Mega-Grip - allows for ergonomic one or two handed operation
- 3-way loading: Filler nipple, Cartridge, Bulk
- Flexible & rigid 18" extensions included

BK **715-1567**

Legacy



MEGA GUN® LOCK-N-LOAD PISTOL-GRIP GREASE GUN

- Threadless barrel - No more cross threading!
- Automatic bleeder valve makes this gun the easiest to prime!
- Variable stroke: Delivers high volume on demand
- 3-way loading: Filler nipple, Cartridge, Bulk
- Combination filler nipple/air bleeder valve
- Heavy gauge knurled steel barrel enhances grip
- Flexible & rigid 12" extensions included
- Four Jaw Coupler

BK **715-1566**



HEAVY-DUTY PISTOL-GRIP GREASE GUN

Pistol-style grease gun with reinforced head and 18" flexible hose develops up to 6,000 psi. Three-way loading for bulk fill, filler nipple or cartridge. Air bleeder valve eliminates air pockets. Hose is rated at 4,500 psi working pressure/12,000 psi minimum burst.

1



PISTOL-GRIP GREASE GUN

All-purpose grease gun for one handed use on automobiles, farm machinery, and industrial equipment, develops up to 7,000 psi. Reinforced head is equipped with air bleeder valve and filler nipple to allow three-way loading. Includes 4" pipe, coupler and non-drip cap.

BK **715-1232**

MINI-LUBE GREASE GUN



Small, easy-to-use gun develops sufficient pressure for all normal grease applications. One-hand operation. Loads quickly and easily with 3 oz. grease cartridge or bulk grease. For use on: Auto chassis, farm equipment, garden equipment, outboard motors, snowmobiles, boat trailers, etc. Perfect for hard-to-reach areas and ideal for do-it-yourself applications.

BK **715-1231**

BK **715-1231** Grease Gun
BK **715-1246** Replacement Grease Tubes

LINCOLN



HIGH-PRESSURE GREASE GUN

Heavy-duty, high-pressure grease gun features three-way loading, six-inch extension, hydraulic coupler, and 21 oz. bulk or cartridge lube capacity. Overall length: 24 1/2".

BK **715-1143**

LINCOLN



PROFESSIONAL GREASE GUN

Heavy-duty, high-pressure grease gun with three-way loading, six-inch extension, hydraulic coupler, and 16 oz. bulk or cartridge lube capacity. Rugged, cast-iron pump head. Jam-resistant toggle mechanism ensures easy lever action. Includes air-bleeder valve. (Cast-iron pump head with air bleeder valve included.)

BK **715-1142**

HEAVY-DUTY DELUXE GREASE GUN



Develops up to 10,000 psi. Equipped with short stroke valve which enables grease input on 1/4 or 1/2 strokes, as in confined spaces. Reinforced head with air bleeder valve and filler nipple. Output is 5.65 oz. of grease per 100 strokes.

BK **715-1237**

HAND-LEVER GREASE GUN



BK **715-1241**

Lever grease gun with reinforced head develops up to 10,000 psi. Equipped with 6" pipe, 4 hardened jaws hydraulic coupler, and non-drip cap. Two-way loading - 14 oz. cartridge or 16 oz. bulk fill.

Item No.	Description
BK **715-1241**	Grease Gun
BK **715-1151**	Coupler
BK **715-1145**	Heavy-Duty Coupler

OIL SUCTION GUN



Multi-purpose filling and draining tool for use with non-corrosive lubricants. No priming necessary. Durable steel construction with 12" oil and UV resistant flexible vinyl hose. Capacity: 18 oz.

BK **715-1245**

GREASE GUN FILLER



Used to bulk fill hand grease guns. Has 1/8" NPT male thread so it fits most grease gun models. Zinc-plated for corrosion resistance and has spring-loaded ball check valve. Diameter: 0.335" (8.5mm)

BK **715-1340**



BK **715-1139**

HOSE EXTENSIONS

SAE 100R 7, single-braid grease hoses for manual or air operated grease guns. Working pressure: 4,500 psi. Burst pressure: 12,000 psi. MNPT: 1/8"

Item No.	Description
BK **715-1139**	12 inches
BK **715-1140**	18 inches
BK **715-1141**	36 inches

LUBELINK AUTOMOTIVE ACCESSORY KIT

Housed in a durable, space-saving carrying case, which has a dedicated compartment for each accessory, making it easy to spot missing pieces. All LubeLink Kit accessories can also be purchased separately.

BK **715-2024**

Contents

Description	Qty.
12" steel braid rubber grease hose with spring-guard and four-jaw coupler	1
Hypodermic-type grease injector needle with quick-connect coupler	1
3" Straight needlepoint coupler	1
3" 90° straight needlepoint coupler	1
Right-angle needlepoint coupler	1
Low-profile, right-angle coupler	1
Tight tolerance, right-angle coupler	1
8" Push-on-type coupler	1



LINCOLN



FLEXIBLE-LINE GREASE INJECTION TOOL

Provides a safe and efficient alternative to common grease needles when lubricating hard-to-reach areas with handheld grease guns. Flexible-line design keeps operator's hands away from needle when attaching/detaching grease coupler, and prevents needles from becoming bent or broken. Ideal for use in automotive, agricultural and industrial applications.

BK **715-1564**

WHIP HOSES



Nylon liner, Aramid fiber reinforcement and unperforated black urethane cover, with 2 spring guards and 4-jaw coupler. Working pressure: 7,500 PSI. Minimum Burst Pressure: 20,000 PSI. Thread size: 3/8"-32 UNEF x 1/8" NPT.

BK **715-1338** 18" Whip Hose, Fits *BK* **715-1132**
BK **715-1339** 30" Whip Hose, Fits *BK* **715-1132** and *BK* **715-1539**

WHIP HOSE



High-pressure grease hose with 1/8" NPTM ends. Rated at 4,500 psi working pressure and 12,000 psi minimum burst.
Note: For hand grease guns only.

BK **715-1228** 12 inches
BK **715-1229** 18 inches

GREASE JOINT REJUVENATOR



The grease joint rejuvenator forces light oil into a grease joint, flushing out old hardened grease while allowing the new grease to be pushed through. Instantly opens clogged grease joints, cleans away and stays in milling machines and lathes. Lubricates and unclogs bearings, control arms, king pins, piston arms, packaging, shafts and bushings. Can be used on farm, construction, lawn, excavating, manufacturing, machine shop and well-drilling equipment, as well as trucks, trailers and marine drive units. Includes a 5" flex hose and extra coupler in a blow molded case.

SER **7862**

IMPACT GREASE FITTING CLEANER



The time-saving alternative to fitting replacement and joint disassembly! Designed to eliminate downtime, the Impact Fitting Cleaner clears obstructions by allowing lightweight oil or solvents to enter the clog with a quick burst of pressure. Also cleans hardened grease from bearing and joint surfaces so fresh grease can be applied.

BK **715-1563**

GREASE GUN HEATER



- Bag is lined with heater elements
- Holds grease gun and extra tube of grease (not included)
- Plugs into 12-volt outlet
- Adjustable carry strap

BK **715-9006**

TUBE STORAGE BOX



Protective storage container for 12 caulk/grease tubes. Adjustable shoulder strap for easy handling. Damage and weather-resistant. High-impact plastic construction. Does not include tubes.

BK **715-2026**

GREASE GUN MOUNT



Easily mounted on farm machinery, walls, or equipment. Fits any grease/suction gun, or barrel pump with standard 2 1/4" O.D. barrel.

BK **715-1248**

HYDRAULIC ADAPTER



Fits discontinued control handles *BK* **715-1294** and *BK* **715-1295**.

BK **715-9572**

HOSE ADAPTERS



BK **715-1184** 1/2"-27 F. x 1/4" FPT.
BK **715-1146** 1/2"-27 M. x 1/2" M.

HANDY PACKER® WHEEL BEARING PACKER



Quickly flushes out old grease and repacks bearings with less mess. Grease stays in tool cavity—not on your hands. To operate, simply place bearing on piston. Press down on cap until old grease is forced out and new grease shows on top of bearing. Works on bearings up to 3 1/2" in outer diameter.

SER **77-4005**

UNIVERSAL HAND BEARING PACKER



Screw bearing unit between cones and apply grease gun through fitting provided. Forces out old grease and evenly injects new grease throughout bearing.

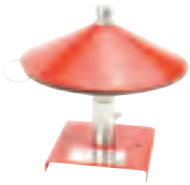
BK **776-9028**

WHEEL BEARING PACKER

Portable, compact and packs bearings up to two-inches in diameter. No grease gun, turning, or fastening required! Does not have to be bolted down. High-density polyethylene construction. For use on: Cars, trucks, golf trailers, boat trailers, agricultural equipment, mobile homes, campers, and horse trailers.

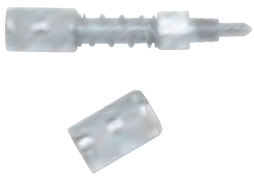
BK **715-1256**

SAMSON



WHEEL BEARING LUBRICATOR
Efficiently removes old grease from race and cage of roller- and ball-type bearings, and repacks them with fresh, clean lubricant. Handles all wheel bearings with up to six-inch outer diameter. Simple, sturdy construction with cover to protect from dirt and dust when not in use. Mounting holes for bench attachment. For use with hand gun or power control valve. Approximate weight: 3½ lbs.

BK **715-1255**



QUICK-DISCONNECT GREASING ADAPTER
For quickly converting regular jaw type grease couplers into a fine line needle grease dispenser. Furnished with two sleeves to fit standard and heavy duty couplers. For hand grease guns only.

BK **715-1200**



NEEDLE-TYPE GREASING ADAPTER
Designed for accessing limited places, particularly the universal joint. Equipped with locking sleeve for stability. Length: 5¼".

BK **715-1211**



NEEDLE-NOSE GREASING ADAPTER
Converts standard couplers to dispense a fine line of grease through needle-nose.

BK **715-1213**

Includes both standard and wide locking sleeves for a quick connection to standard and heavy-duty grease couplers. Ideal for use on hard-to-reach grease spots on cars, farm equipment, four-wheel-drive vehicles, RVs, trucks, and more! For use on hand-operated grease guns only. Needle Length: 4". Adapter Length: 3".

BK **715-1213** Greasing Adapter
BK **715-9512** Needle



PUSH-TYPE GREASING ADAPTER
Designed with concave-shaped tip which matches the head of grease fittings on universal joints and bearings in positions where lateral movement to release couplers is impossible. Equipped with locking sleeve. Length: 5½".

BK **715-1219**



GREASING EXTENSION ADAPTER
Designed to reach out-of-the-way fittings. Equipped with high-pressure coupler and locking sleeve. Length: 14".

BK **715-1180**

SAMSON



RIGID/FLEXIBLE GREASING EXTENSION
Can be bent around obstructions, or made rigid for one-hand lubrication. Meets safety requirements for use with air-operated lubrication equipment. ⅛" NPTF(f) for use with all high-pressure control valves. Hose maximum working pressure: 20,000 psi. Length: 13⅝".

BK **715-1601**



GREASE COUPLER WITH HEX
Heavy-duty, all-steel construction with ball check and 4 hardened steel jaws. 6,000 psi working pressure. Thread size: ⅛" NPT. Hex size: 11/16".

BK **715-1145**



90° GREASE COUPLER ADAPTER
For hard-to-reach grease fittings on cars, trucks, and equipment. Ideal for lubrication of late model, front-wheel-drive vehicles. Comes with large and small sleeves. Recommended working pressure: 4,000 psi.

BK **715-1259**



STANDARD GREASE COUPLER
Designed for use with all hand-operated and air-powered grease guns. Heavy-duty, all steel construction with ball check and 4 hardened steel jaws. 4,500 psi working pressure. Thread size: ⅛" NPT. Wrench flats: ⅛".

BK **715-1151**



HIGH-PRESSURE THREE-JAW GREASE COUPLER
Fits all standard grease guns, and can be used with flex hoses or rigid pipes with ⅛" threads. Precision-fit jaws are hardened for extended life. Equipped with ball check to prevent pressure loss.

BK **715-1125**



SWIVEL GREASE COUPLER
Built-in swivel allows full 360-degree circle. Locks in any one of eight 45-degree positions. Adjustable coupler section permits contact with fitting in reverse positions. Angle body has ⅛" NPTF inlet. Permits addition of pipe extension when required. Maximum operating pressure: 7,500 PSI.

BK **715-1341**

BUTTON-HEAD GREASE COUPLER



1/8" NPT female inlet with removable plug to enable push or pull on use. Zinc-plated to maximum protection against corrosion.

BK **715-1153**

Recommended Working Pressure:.....3,000 PSI (207 Bar)
Maximum Operating Pressure:.....4,500 PSI (310 Bar)

Item No.	Description
BK **715-1153**	Button-Head Coupler for 7/8" Giant Button-Head Fittings
BK **715-1152**	Button-Head Coupler for 5/8" Standard Button-Head Fittings

GREASING ADAPTER BUSHING



For adapting standard or large button-head couplers with 7/16"-27 female threads to 1/8" NPT male connection. Bushing is 7/16"-27 male x 1/8" P.T. female. Recommended working pressure: 3,000 PSI (207 Bar). Maximum Operating Pressure: 4,500 PSI (310 Bar). Zinc-plated for maximum protection against corrosion.

BK **715-1173**

GREASING FILLER PLUG



Universal filler plug fits all standard 25-40 lb. pails, and works with all types of grease guns equipped with a filler plug, or those that require removal of the head for filling (except Lincoln).

BK **715-1172**

4-3/4 IN. NARROW NEEDLE-NOSE GREASE DISPENSER



For use on C.V. joints on four-wheel-drive pickup trucks. Also handy for many agricultural applications and hard-to-reach grease fittings, where standard coupler heads will not fit. Needle: 1 1/2" L. x 5/32" diameter.

BK **715-1251**



GREASING NOZZLE PIPE

Steel tubing with 30° angle, and 1/8" P.T. on each end. Length: 6".

BK **715-1175**

RUBBER TIP



For discontinued *BK* **715-1217**

BK **715-1210**

RIGHT-ANGLE GREASE COUPLER



Fits grease fittings in confined areas, such as lower ball joints on Chrysler K-cars. Specially-designed seal and slot in coupler housing provide 90° access in areas where minimal clearance is available. Fits all standard grease guns, and can also be used as general purpose grease coupler, or on any grease fitting where space is limited. Eliminates the need for flexible hoses.

BK **700-2020**

OIL CONTROL GUN SWIVEL



1/2" MNPT x 1/2" FNPT.

BK **715-1389**

NEEDLE POINT ADAPTER, 3/4 IN.



- For use on hand-operated grease guns only.
- Dispenses a fine line of grease through needle nose.
- Can be used with grease gun extension or hose.
- Ideal for use on universal joints and other applications for pinpoint lubrication.
- Zinc-plated, corrosion-resistant finish, 1/8" NPTF.

BK **715-1215**



INJECT-A-LUBE NEEDLE KIT

Use to lubricate sealed bearings and reach those inaccessible places on your equipment. Contains two 18-gauge x 2 1/2" long stainless steel needles with protective covers.

BK **700-1193**



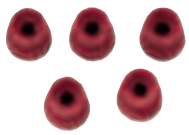
BK **725-2620**

GREASE FITTING ASSORTMENTS

Item No.	Description
BK **725-2620**	8 Pc. Zinc-Plated (1/4"-28 Thd.)
BK **725-2634**	31 Pc. Metric Zinc-Plated (M6-M10 Thd.)
BK **725-2633**	32 Pc. High Carbon (1/8"-1/4" Thd.)

GREASE FITTING CAPS

Handy, neoprene protective caps keep dirt and moisture out of grease fittings and bearings. Will not fit button head fittings. Length: 3/8". Retail pack of 5.



BK **715-1091**

HYDRAULIC PIPE THREAD FITTINGS - 1/4 IN. TAPER

Used for larger bearings on farm machinery and heavy industrial equipment. Recommended for heavy lubricants in cold weather. All (m) threads. Maximum pressure 10,000 psi.

Item No.	Description	Size	Package Qty.	
BK **715-1067**	Ball Check	7/8" Overall.	100	
BK **715-2017**	Ball Check	7/8" Overall.	Retail Card of 5	
BK **715-1074**	Ball Check	3/8"-24. Rear spring. 21/32" Overall.	10	
BK **715-1069**	Ball Check	3/8"-24. Angle. 31/32" Overall.	5	
BK **715-1073**	Spring Straight Fitting	5/16"-24 ball check. Front spring. 21/32" Overall.	10	

BUTTON-HEAD GREASE FITTINGS

For industrial applications and machinery. Giant type for pressures up to 15,000 psi. Standard type for pressures up to 6,000 psi.

Item No.		Size	Package Qty.	
BK **715-1115**	Ball Check	1/8" PT. 3/4" Overall. 19/32" Head Dia.	5	
BK **715-1116**	Ball Check	3/8" PT. 63/64" Overall Length.	1	
BK **715-1120**	Ball Check	1/4" PT. 1 1/4" Overall. 13/16" Head Dia.	1	

MISCELLANEOUS

BALL CHECK

1/4"-32 Thread. 21/32" Overall.

BK **715-1079** Qty. 5



HYDRAULIC PIPE THREAD FITTINGS - 1/8 IN. TAPER

Feature positive seal with high pressure ball check. Maximum pressure 10,000 psi.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1021**	Ball Check	11/16"	Box of 100	
BK **715-2000**	Ball Check	11/16"	Retail Card of 5	
BK **715-1011**	Ball Check	63/64"	Card of 1	
BK **715-1012**	30° Ball Check	29/32"	Box of 10 Sold By Each	
BK **715-2012**	30° Ball Check	29/32"	Retail Card of 5	
BK **715-1026**	45° Ball Check	57/64"	Box of 100	
BK **715-2013**	45° Ball Check	57/64"	Retail Card of 5	
BK **715-1028**	65° Ball Check	2 7/32"	Box of 100	
BK **715-2021**	65° Ball Check	2 7/32"	Retail Card of 5	
BK **715-1030**	90° Ball Check	27/32"	Box of 100	
BK **715-2001**	90° Ball Check	27/32"	Retail Pack of 5	
BK **715-1016**	Ball Check	1 3/4"	1	
BK **715-1017**	65° Ball Check	2 3/4"	1	
BK **715-1018**	90° Ball Check	1 13/16"	1	

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

HYDRAULIC THREAD FITTINGS - 1/4 IN. - 28 TAPER

Used on most cars and trucks and on many industrial machines. Maximum pressure 10,000 psi.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1051**	Short Ball Check	35/64"	Box of 100	
BK **715-2003**	Short Ball Check	35/64"	Retail Card of 5	
BK **715-1053**	Long Ball Check	11/16"	Box of 100	
BK **715-2004**	Long Ball Check	11/16"	Retail Card of 5	
BK **715-1056**	45° Short Ball Check	13/16"	Box of 100	
BK **715-2005**	45° Short Ball Check	13/16"	Retail Card of 5	
BK **715-1084**	45° Long Ball Check	57/64"	Box of 10	
BK **715-1060**	90° Short Ball Check	3/4"	Box of 100	
BK **715-2006**	90° Short Ball Check	3/4"	Retail Card of 5	
BK **715-1087**	65° Ball Check	25/32"	Box of 5	
BK **715-1082**	Extra-Long Ball Check	31/32"	Box of 5	

DRIVE-TYPE GREASE FITTINGS

Recommended for low and medium pressures only. Use to avoid tapping cost on a wide variety of applications.

Item No.	Description	Overall Size	Package Qty.	
BK **715-1047**	5/16" Dr. Ball Check	35/64"	Box of 5 Sold By Each	
BK **715-2015**	5/16" Dr. Ball Check	35/64"	Retail Card of 5	
BK **715-1048**	3/16" Dr. Ball Check	33/64	Box of 10 Sold By Each	
BK **715-2002**	3/16" Dr. Ball Check	33/64	Retail Card of 5	
BK **715-1049**	1/4" Dr. Ball Check	35/64"	Box of 5 Sold By Each	
BK **715-2016**	1/4" Dr. Ball Check	35/64"	Retail Pack of 5	



LARGE FOUR-WAY GREASE FITTING TOOL

Removes 7/16" and 3/8" hex angle or straight fittings. Retaps 1/8" P. T. holes, and removes broken 1/8" P. T. fittings.

BK **715-1197**



SMALL FOUR-WAY GREASE FITTING TOOL

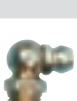
Removes 5/16" and 3/8" hexes. Retaps 1/4"x 28 standard thread holes. Removes 1/4" standard thread fittings.

BK **715-1198**

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

METRIC GREASE FITTINGS

For use on most cars and trucks and many industrial machines. Maximum pressure: 10,000 psi.

Item No.	Description	Size	Package Qty.	
BK **715-1425**	Straight Ball Check	19/32" Overall. 6mm x 1.	Box of 100 Sold By Each	
BK **715-2007**	Straight Ball Check	19/32" Overall. 6mm x 1.	Retail Card of 5	
BK **715-1416**	45° Angle Ball Check	13/16" Overall. 6mm x 1.	Box of 10 Sold By Each	
BK **715-1427**	90° Angle Ball Check	3/4" Overall. 6mm x 1.	Box of 100 Sold By Each	
BK **715-2018**	90° Angle Ball Check	3/4" Overall. 6mm x 1.	Retail Card of 5	
BK **715-1418**	Straight Ball Check	5/8" Overall. 8mm x 1.	Box of 10 Sold By Each	
BK **715-2020**	Straight Ball Check	5/8" Overall. 8mm x 1.	Retail Card of 5	
BK **715-1420**	90° Angle Ball Check	23/32" Overall. 8mm.	Box of 10 Sold By Each	
BK **715-2019**	90° Angle Ball Check	23/32" Overall. 8mm.	Retail Card of 5	
BK **715-1421**	Straight Ball Check	5/8" Overall. 10mm x 1.	Box of 10 Sold By Each	
BK **715-2008**	Straight Ball Check	5/8" Overall. 10mm x 1.	Retail Card of 5	

STRAIGHT DRIVE FITTING TOOL



For installing straight drive-type fittings. Box of 10 sold by each.

BK **715-1194**

All grease fittings are OEM quality and meet or exceed SAE J-354 and Military Specification.

STATIONARY GREASE PUMPS

All Balkamp stationary grease pumps from Samson include a combination air regulator with gauge and an air filter with automatic drain.

STATIONARY GREASE PUMP PACKAGES

Stationary Grease Pump Packages include a container cover, a follower plate, 5 foot air connecting hose, air line ball valve, air regulator and filter and 5 foot grease connecting hose.



Long-stroke grease pump specifically for today's high-tech greases. Longer stroke allows for better leading of grease into pump. Outstanding solution for truck shops, off-road equipment shops and agricultural equipment.

SAMSON

BK **809-1023**



PROFESSIONAL DUTY STATIONARY GREASE PUMP

Includes PM3 60:1 air pump, 5 ft. air inlet hose, air inlet ball valve, filter regulator with gauge and auto drain, 5 ft. grease connecting hose, follower plate, and container cover.
Drum not included.

BK **817-1134** 120 lb. Keg Package
BK **809-1023** 400 lb. Keg Package

BARE GREASE PUMPS

Includes pump only (no accessories included).



SAMSON

PM3 60:1 BARE GREASE PUMP

Air inlet: 1/4" NPT (F), grease outlet: 1/4" NPT (F).

BK **813-5161** For 120 Lb. Keg
BK **813-5162** For 400 Lb. Drum

BK **813-5161**

SAMSON

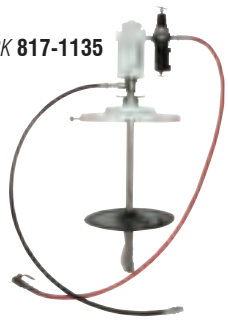


PM3+3 60:1 HEAVY-DUTY BARE GREASE PUMP

Air inlet 3/8" NPT (F), grease outlet; 3/8" NPT (F).

BK **395-1917** For 120 Lb. Keg
BK **395-1919** For 400 Lb. Drum

BK **395-1917**



BK **817-1135**

SAMSON

PROFESSIONAL HEAVY-DUTY STATIONARY GREASE PUMPS

Includes PM3+3 60:1 pump, 5 ft. air inlet hose, air inlet ball valve, filter regulator with gauge and auto drain, 5 ft. grease connecting hose, follower plate, and container cover.

BK **817-1135** 120 lb. Keg Package
BK **809-1024** 400 lb. Drum Package



SAMSON

STATIONARY GREASE DRUM PUMP PACKAGE W/ REEL

Assembly for high-pressure greasing with a PM 3+3 – 60:1 pressure ratio pump for 400-lb. drums. Package includes a 3/8 hose reel for higher delivery, 50' x 3/8 open type hose reel, high-pressure grease control gun with Z-swivel, and 3/8 filter regulator.

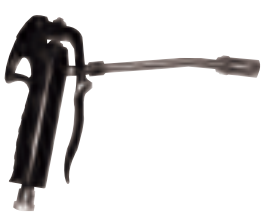
BK **395-1006**

ARE YOU INTERESTED IN MAKING A PUMP – REEL PACKAGE?

First choose the Stationary Grease Pump Package that best meets your needs and then order the following:

Item No.	Description
BK **395-1911**	50' x 1/4" Grease Hose Reel (page 476)
BK **715-1553**	Z Swivel – 1/4" x 1/2" NPTF (page 471)
BK **715-1552**	Grease Control Handle (page 471)

GREASE PUMP ACCESSORIES



SAMSON

HIGH-PRESSURE GREASE CONTROL HANDLE

For use with air operated systems. Inlet is 1/4" NPTF with angled rigid outlet pipe with heavy duty 3 jaw hydraulic coupler. 1/8" NPT(F) outlet.

BK **715-1552**

SAMSON

Z-SWIVELS FOR GREASE PUMPS

For use with grease control handles on air-operated systems. Check hose to properly match Z-swivel fitting to hose fitting.

BK **715-1553** 1/4" NPTM x 1/2" -27M
BK **715-1554** 1/4" NPTM x 1/4" NPTF



BK **715-1553**

GREASING Z SWIVEL

1/8" MPT x 1/8" FPT.

BK **715-1166**



GREASING SWIVEL

Straight 1/8" MPT x 1/8" FPT.

BK **715-1167**



SAMSON



BK **825-1001**



BK **825-1004**



BK **819-1001**

CONTAINER COVERS

Item No.	Description
BK **825-1001**	Pail Cover – 35 lb. / 5-Gallon Pail
BK **825-1004**	Pail Cover – 120 lb. / 16-Gallon Keg
BK **819-1001**	Pail Cover – 400 lb. / 55-Gallon Drum

SAMSON



BK **825-1002**



BK **825-1005**



BK **819-1002**

UNIVERSAL FOLLOWER PLATES

Item No.	Description
BK **825-1002**	Follower Plate – 35 lb. / 5-Gallon Pail
BK **825-1005**	Follower Plate – 120 lb. / 16-Gallon Keg
BK **819-1002**	Follower Plate – 400 lb. / 55-Gallon Drum

PORTABLE GREASE PUMPS

SAMSON

35 LB. PAIL PORTABLE ECONOMY GREASE PACKAGE

Includes PM3 60:1 pump with carry handle, 5 ft. air inlet hose, air inlet ball valve, grease control gun with rigid pipe and hydraulic coupler, air filter regulator with gauge and auto drain, 1/4" x 5 ft. high pressure delivery hose, straight swivel, follower plate and container cover.

Pail not included.

BK **815-1056**



SAMSON

PORTABLE PROFESSIONAL GREASE PACKAGE FOR 35 LB. PAIL

Includes PM3 60:1 grease pump with carry handle, air line coupler and nipple, air filter regulator with auto drain, heavy duty pail cover, mounting adapter, follower plate, 7 ft. high-pressure grease hose, high-pressure grease control gun with rigid pipe and hydraulic coupler and Z-swivel.

Pail not included.

BK **817-1132**



SAMSON

120 LB. KEG HEAVY-DUTY PROFESSIONAL PORTABLE GREASE PUMP SYSTEM



For use with 120-pound kegs. Includes PM 3+3 55:1 pump, two-wheel dolly, 5 ft. air inlet hose, air inlet ball valve, grease control gun with rigid pipe & hydraulic coupler, air filter regulator with gauge and auto drain, high-pressure delivery hose (1/4" x 5 ft.), straight swivel, follower plate, and container cover. Specifically designed for high-tech greases. Longer stroke allows for better leading of grease into pump. Outstanding solution for Truck Shops, Off-Road Equipment Shops and Agricultural Equipment.
NOTE: Keg not included.
BK **815-1057**

ECONOMY PORTABLE GREASE PACKAGE FOR 120 LB. KEG



Includes PM3 60:1 grease pump with air line coupler and nipple, air regulator/filter with auto drain, four wheel band dolly, heavy duty pail cover, follower plate, 1/4" x 7 ft. high pressure delivery hose, Z-swivel, grease control gun with rigid pipe and a hydraulic coupler.
Keg not included.
BK **817-1133**

PROFESSIONAL HEAVY-DUTY PORTABLE GREASE PUMP SYSTEM FOR 120 LBS. KEG



Includes PM3+3 60:1 grease pump, cover mounting adapter, drum cover, follower plate, 1/4" x 7 ft. high pressure grease hose, high-pressure grease control gun with rigid pipe and hydraulic coupler, Z-swivel and four-wheel band dolly.
BK **395-1918**

HAND-OPERATED GREASE PUMP PACKAGE 35 LB. PAIL

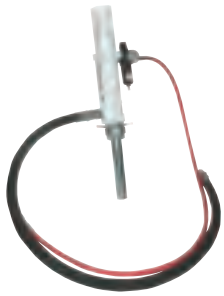


Heavy-duty hand operated high pressure (5,000 PSI) grease pump unit. Fits 35 lb. pail and includes pump, cover, 5' hose, suction pipe with coupler, carry handle and follower plate.
BK **815-1051**

STATIONARY OIL PUMPS

All Balkamp stationary oil pumps from Samson include a combination air regulator with gauge and an air filter with an automatic drain.

PM2 3:1 STUB PUMP PACKAGE



Includes PM2 3:1 pump with 2" bung adapter, 5 ft. air hose with 1/4" NPTM on both ends and air filter regulator with auto drain, 5 ft. medium pressure 3/4" hose with 3/4" NPTM ends, air shut-off ball valve.
BK **813-5159**
3:1 Samson PM2 pumps are designed for dispensing lubricants approximately 200 ft. to two reels running simultaneously.

PM4 5:1 STUB PUMP PACKAGE



Includes PM4 5:1 pump with 2" bung adapter, 5 ft. air hose with 1/4" NPTM on both ends and air filter regulator with auto drain, 5 ft. medium pressure 3/4" hose with 3/4" NPTM ends, air shut-off ball valve.
BK **395-1920**
5:1 Samson PM4 pumps are designed for dispensing lubricants approximately 400 ft. to four reels running simultaneously.

PM2 - 3:1 PUMP HOSE REEL METER PACKAGES



PM2 3:1 drum-length pump, hose connection kit, 1/2" x 50' hose reel, filter/regulator/gauge with auto-drain, and digital meter with rigid outlet.
BK **395-1005**

3: 1 AIR-OPERATED PORTABLE PUMP SYSTEM FOR GEAR LUBE W/ FILTER/REGULATOR



Air-operated fluid pump system for gear lube for use in 16-gallon open top keg. Includes PM2 3:1 air pump, keg cover, dolly, air regulator/filter with bleed type auto drain, 7' fluid delivery hose, and digital metered control handle.
BK **809-1025**

SAMSON

3:1 AIR-OPERATED FLUID PUMP SYSTEM FOR OIL & AUTOMATIC TRANSMISSION FLUID W/ FILTER/REGULATOR

For use in 16-gallon open top keg. Includes PM2 3:1 air pump, keg cover, dolly, air regulator/filter with bleed type auto drain, 7' fluid delivery hose, and digital metered control handle.

BK **395-1913**



BARE STUB PUMPS

SAMSON

PM2 1:1 OIL BARE STUB PUMP

Includes 2" bung bushing adapter. Fluid inlet: 1" NPT(F), outlet: 3/4" NPT (F). Air inlet 1/4" NPT (F). Used for fluid transfer of lubricants where high flow rates are desired.

BK **813-5160**



SAMSON

PM2 3:1 BARE STUB PUMP FOR SYSTEMS

Includes 2" bung adapter. Fluid inlet: 3/4" NPT (F), outlet: 3/4" NPT (F). Air inlet: 1/4" NPT (F). Used for pumping lubricants in a system

BK **813-5158**



SAMSON

PM4 5:1 BARE STUB PUMP FOR SYSTEMS

Includes 2" bung adapter. Fluid inlet: 1" NPT (F), outlet: 3/4" NPT (F). Air inlet: 3/8" NPT (F). Used for pumping lubricants in a system

BK **813-5163**



OIL PUMP ACCESSORIES

SAMSON

SUCTION TUBES



Item No.	Description
For PM2 1:1 Stub Pump	
BK **809-1029**	16 Gallon, Keg Length
BK **809-1032**	55 Gallon, Drum Length
BK **809-1026**	275 Gallon, Tank Length
For PM2 3:1 Stub Pump (fits *BK* 813-5158 and *BK* 813-5159)	
BK **809-1031**	16 Gallon, Keg Length
BK **809-1033**	55 Gallon, Drum Length
BK **809-1028**	275 Gallon, Tank Length
For PM4 5:1 Stub Pump (fits *BK* 813-5163 and *BK* 395-1920)	
BK **809-1030**	16 Gallon, Keg Length
BK **809-1034**	55 Gallon, Drum Length
BK **809-1027**	275 Gallon Tank Length

SAMSON

HIGH-LEVEL SHUT-OFF FOR USED FLUID TANKS

Controls air supply to evacuation pump. When tank level reaches 7/8 full, float shuts off air supply to evacuation pump. Includes non-electric float level sensor alarm with automatic overfill shut-off valve and alarm whistle. 360-degree rotating mounting collar allows indexing to fit virtually all single wall tanks.

BK **819-1003**



STUB PUMP BUNG BUSHING

For use with oil stub pumps.
Thread connection: 2" male.

BK **825-5044**



SAMSON

WALL MOUNTING INSTALLATION SIPHON KIT

For PM2 (1:1 and 3:1 ratio) or PM4 (5:1 ratio). Includes wall mount bracket, 48" suction tube with foot valve, 2" bung bushing adapter, 8 ft. spring reinforced suction hose with 3/4" F swivel end, 3:1 pump to hose connector 3/4" (M) x 3/4" (F) and 5:1 and 1:1 pump to hose connector 1" (M) x 3/4" (M).

BK **809-1035**



HAND-OPERATED PUMP SYSTEMS



SAMSON

HAND-OPERATED METERED GEAR LUBE SYSTEM
Metered – 2:1 ratio hand-operated metered gear lube system for use in open top 16-gallon keg. Includes hand pump, meter, keg cover, 5' hose, spout, and band dolly.
Keg not included.
BK **817-1131**



SAMSON

HAND-OPERATED NON-METERED GEAR LUBE SYSTEM
Non-Metered – 2:1 ratio hand operated non-metered gear lube system for use in open top 16 gallon keg. Includes hand pump, keg cover, 5' hose, spout, and band dolly.
Keg not included.
BK **817-1130**

BULK FLUID DISPENSING PACKAGES

Many auto and heavy-duty fleet repair locations are buying their lubricants in bulk to help lower costs. The new CUBET System from Samson gives you everything you need to be in the bulk lubricant business in one package.



BULK FLUID DISPENSING PACKAGE
Bulk fluid dispensing package includes 230 gallon (880 liter) CUBET, 3:1 ratio air-operated fluid pump with reel, connecting hose, quick air coupler and nipple, 1/2" x 30' MP hose reel with mounting plate, electronic-metered control handle with holder, and a cage and platform base with 4" legs. It can easily be moved by a forklift. Shipped completely assembled.
BK **395-1916**

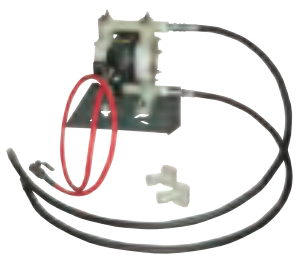
SAMSON

1:1 DIAPHRAGM PUMP PACKAGE – 1 IN.
Includes 1" aluminum diaphragm pump with 1" inlet and outlet. General purpose pump designed for use with heavier fluids at faster flow rates. Includes filter regulator with auto drain, 5 ft., 3/8" air inlet hose, 5'–1" dia. suction hose 5'–1" dia. discharge hose.
BK **395-1900**



SAMSON

1:1 DIAPHRAGM PUMP PACKAGE – 1/2 IN.
Includes 1/2" poly diaphragm pump with 1/2" inlet and outlet. General purpose pump designed for system use with water-based fluids and general lubricants. Includes filter regulator with auto drain, 5' x 1/4" air inlet hose, 5' x 1/2" dia. suction hose and 5'–1/2" discharge hose.
BK **395-1921**



SAMSON

X-FRAME FOUR-WHEEL DOLLY
For 400 lb. (55 Gal.) drum.
BK **395-1903**



ROUND DRUM DOLLY
For 55-gallon drums. Heavy-duty type with wide, steel cross braces and hoop. Equipped with steel casters. Maximum load: 450 lbs. 23" Diameter.
BK **821-1038**



SAMSON

FOUR-WHEEL DELUXE PORTABLE BASE
For 120 lb. (16 Gal.) keg.
BK **819-1000**



SAMSON

HEAVY-DUTY THREE-WHEEL CART

For 400 lb. (55 Gal.) drum.

BK **395-1904**



SAMSON

HEAVY-DUTY THREE-WHEEL CART

For 400 lb. (55 Gal.) drum with reel mounting bracket.

BK **395-1902**



SAMSON

TWO-WHEEL DOLLY

For 35 lb. (5 Gal.) or 120 lb. (16 Gal.) drums.

BK **809-5222**



SAMSON



BK **825-1003**

BAND-TYPE DOLLIES

Item No.	Description
BK **825-1003**	For 120-pound, 16-gallon grease kegs. Fits 12 7/8" to 15" kegs.
BK **825-1000**	For 35 lb. (5 Gal.) pail

SAMSON

2:1 SPIGOT PUMP FOR 55-GALLON DRUM

2:1 long stroke pump (4") allows for one pump for all fluids, including gear lube. Curved outlet pipe and non-drip spring loaded spigot valve. Built in shelf holds container and catches spills that drain back through filtered bushing into drum.

BK **395-1915**

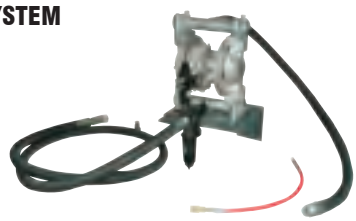


SAMSON

USED OIL EVACUATION SYSTEM

Includes 1" UL listed diaphragm pump, 1" basket filter, 10' suction hose, 5' fluid discharge hose, 2' air inlet hose, air filter regulator with auto drain, dry break couplings, and wall mount bracket.

BK **823-1325**



SAMSON

HEAVY-DUTY HAND-OPERATED GREASE PUMP PACKAGE

High-pressure (6,000 PSI) self-contained lever action grease pump. Oval-shaped 4 1/2-gallon steel container with foot rest. Includes 7' grease hose and hydraulic coupler. Adjustable pressure and volume.

BK **813-5164**



VOL-U-MATIC E-Z GREASER

Portable, fast, modern, and efficient! Cuts lubrication time to a minimum. Convenient, one-man/one-hand operation. Easy to charge and build high pressure without air or electricity up to 8,000 PSI. Equipped with 9' hose and follower plate to prevent channeling and pocketing of lubricants. Fits any 25-50 lb. standard grease pail. Ideal for use on tractors, farm/industrial equipment, trucks, and cars. Continuous flow and booster control handle

BK **715-1279** Greaser with Grease Gun
BK **715-1280** Replacement Grease Gun



BK **715-1279**

SAMSON

HOSE REELS

ALL SAMSON HOSE REELS INCLUDE A 2 FT. LONG INLET HOSE FOR EASILY CONNECTING REEL TO PIPING.
Delivery of compressed air, low and high pressure water, lubricants and grease in vehicle maintenance shops, field service units and lubrication trucks, mining, construction, general industry, agriculture, service stations, etc.

Features

- Brass forged shaft compatible with a wide range of fluids ensures corrosion free and leak proof operation.
- Very robust reinforced all steel Heavy Duty construction with double pedestal arm design.
- Special fatigue resistant steel spring for years of durable performance.
- Epoxy powder coated for increased wear resistance.
- Positionable outlet arms for an optimum operation in any mounting position: wall, ceiling, floor or tank.



50 FT. X 1/2 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM AIR HOSE REEL
With 1/2" x 2' inlet hose.
BK **395-1908**



50 FT. X 1/2 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM NITROGEN HOSE REEL
With 1/2" x 2' inlet hose.
BK **395-1909**



50 FT. X 3/8 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM AIR HOSE REEL
With 1/2" x 2' inlet hose.
BK **395-1906**



50 FT. X 1/2 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM OILS/ ATF HOSE REEL
With 1/2" x 2' inlet hose.
BK **395-1910**



50 FT. X 3/8 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM NITROGEN HOSE REEL
With 1/2" x 2' inlet hose.
BK **395-1907**



50 FT. X 1/4 IN. HEAVY-DUTY DOUBLE-PEDESTAL ARM GREASE HOSE REEL
With 1/4" NPTM F fitting and 2' inlet hose.
BK **395-1911**

Hose Reel Specifications

Item No.	Uses	Hose Length	Hose Inside Diameter	Hose End Fitting	Working Pressure (PSI)
BK **395-1906**	Air/Water/Water-Based Fluids	50 Ft.	3/8"	3/8" NPT (M)	300
BK **395-1907**	Nitrogen	50 Ft.	3/8"	3/8" NPT (M)	300
BK **395-1908**	Air/Water/Water-Based Fluids	50 Ft.	1/2"	1/2" NPT (M)	300
BK **395-1909**	Nitrogen	50 Ft.	1/2"	1/2" NPT (M)	300
BK **395-1910**	Oils, ATF	50 Ft.	1/2"	1/2" NPT (M)	1500
BK **395-1911**	Grease	50 Ft.	1/4"	1/2"-27 (F) Fine Thread	5000

SAMSON

RETRACTABLE AIR/WATER HOSE REELS
Features circular hose guide with six rollers for smooth and easy operation. Can be latched at desired hose length, and guide arm can be mounted in three positions. Sintered, powder-coated aluminum base and arm assembly with corrosion-resistant, stainless steel fasteners. High-quality steel power spring for long life. For use with compressed air and low-pressure water. Inlet hose included.

GREASE/OIL HOSE REELS
Welded base with dual side support construction and heavy-duty roller outlet. Feature single outlet arms. Assembled with three plates of thick-gauge steel — 50% heavier than standard capacity reels.



50 FT. X 3/8 IN. RETRACTABLE AIR/WATER HOSE REEL
Hose Length: 50 ft. Outlet: 3/8" NPT (M). Inlet Hose: 1/2" NPT (M).
BK **823-1127**



50 FT. X 3/8 IN. GREASE HOSE REEL
Hose Size: 50 ft. x 3/8" - 9/16".
Inlet Size: 3/8" Male NPT. Outlet: 1/4" Male NPT.
BK **823-1130**



50 FT. X 1/2 IN. RETRACTABLE AIR/WATER HOSE REEL
Hose Length: 50 ft. Outlet: 1/2" NPT (M). Inlet Hose: 1/2" NPT (M).
BK **823-1128**



50 FT. X 3/8 IN. ECONOMY AIR HOSE REEL
With 1/2" x 2' inlet hose.
For use only in light duty applications.
BK **823-1323**



50 FT. X 1/2 IN. OIL HOSE REEL
Hose Size: 50 ft. x 1/2" - 23/32".
Inlet Size: 1/2" NPT (M). Outlet: 1/2" NPT (M).
BK **823-1129**



BK **715-1556**

UNIVERSAL HOSE STOPS

Item No.	Description
BK **715-1556**	Hose stop for 1/4" hose
BK **715-1557**	Hose stop for 3/8" hose
BK **715-1558**	Hose stop for 1/2" hose

Hose Reel Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)	Item No.
Air/Water	3/8" x 50'	3/8" NPT (M)	300	*BK* **823-1127**
Air/Water	1/2" x 50'	1/2" NPT (M)	300	*BK* **823-1128**
Grease	3/8" x 50'	3/8" NPT (M)	5,000	*BK* **823-1130**
Oil	1/2" x 50'	1/2" NPT (M)	1,500	*BK* **823-1129**
Air/Water/Water-Based Fluids	1/4" X 50'	1/4" NPT (M)	300	*BK* **823-1323**

DIGITAL METERED CONTROL HANDLES

SAMSON

DIGITAL METERED FLUID CONTROL HANDLE



Electronic oval gear digital preset meter with 60° rigid outlet pipe, semi automatic nozzle and 1/2" NPTF screened inlet. Can be programmed to dispense in quarts, liters, pints, and gallons. A 5-digit LED shows accuracy to a hundredth of a gallon. Uses 4 replaceable AA batteries. Pre-calibrated at the factory, it is also easily field-calibrated if necessary. Can handle engine oil, gear oils up to SAE 140, antifreeze solution and hydraulic fluids.
Maximum working pressure: 1000 psi. Maximum flow rate: 8 GPM. Preset up to 99.9 units. Not suitable for outdoor use.

BK **825-5039**

SAMSON

DIGITAL METERED FLUID CONTROL HANDLE



Oval gear meter with electronic digital LCD display coupled to a durable but lightweight oil control handle that incorporates a rugged ball bearing swivel with inlet screen filter. Meter is supplied with a protective rubber shroud. Meters are factory calibrated. Also, they can easily be re-calibrated in the field for increased accuracy. Meter can measure in liters, quarts, pints and gallons. Includes Flex hose outlet w/90° swivel. Maximum working pressure: 1,500 psi. Oil flow range: 1.5 to 6.6 GPM. Inlet: 1/2" NPTF

BK **395-1914**

MECHANICAL METERED CONTROL HANDLES

LINCOLN

PRESET OIL CONTROL GUN



Ideal for dispensing motor oil and automatic transmission fluid. Shuts off automatically when correct amount has been dispensed. Just preset desired amount on the dial face, insert the nozzle into the filler port, and depress the trigger. Includes manual, non-drip nozzle and 1/2" FNPT inlet swivel. Totalizes in quarts, with 60-quart dial increments. Outlet, straight rigid extension. Rated at 1,000 PSI operating pressure. Max. flow rate: 4 GPM.

BK **715-1379** Oil Control Gun
BK **715-1389** Replacement Swivel

SAMSON

NON-METERED CONTROL HANDLE WITH FLEXIBLE OUTLET



Includes 5/8" M x 1/2" F heavy-duty ball bearing swivel. 1500 PSI and 8 GPM flow rate.

BK **827-1246**

SAMSON

NON-METERED RIGID-SPOUT FLUID CONTROL HANDLE



Oil control handle, manufactured in aluminum, with ergonomic grip and trigger to reduce operator hand fatigue. NBR valve with progressive action, for comfortable operation when dispensing products, even with high ratio (10:1) oil pumps. All handles include a ball bearing inlet swivel with large capacity screen filter. Includes rigid tip with 1,500 psi maximum working pressure. Maximum delivery: 6.6 GPM. Fluid inlet thread: 1/2" NPSMF.

BK **827-1245**

SAMSON

UNIVERSAL SEMI-AUTOMATIC DRIP TIP



1/4" NPT(F)—Auto Open, Manual Close.

BK **715-1555**

SAMSON

HAND-OPERATED BEARING PACKER



Heavy-duty hand-operated bearing packer fits 35 lb. pail or 120 lb. keg. Includes pump, cover, bearing packer, dust cap and follower plate.

BK **395-1912**

BK **395-1912** For 35 Lb. Pail
BK **823-1324** For 120 Lb. Keg

LUBMAX Lubrication Equipment

LEVER-ACTION BUCKET PUMP



For fast, clean transfer of transmission and differential oils. Can also be used for heavier lubricants, and eliminates waste while transferring. Simply remove lid from original container and replace it with dispenser. Fits most 25 and 50 lb. containers equipped with removable covers. Includes 18" pump, sleeves, handle with cover, and 4' hose assembly. 1 quart per 12 strokes. For 5 gal. pails.

BK **715-1278**

LUBMAX Lubrication Equipment

GREASE GUN FILLER



For bulk loading grease guns equipped with 0.335" dia. filler nipple. Keeps grease clean and free of contamination. Fits standard 5 gal./35 lb. pail and includes follower plate. Delivers 16 oz. per 6 strokes.

BK **715-1276**

HAND PUMP
Double-acting diaphragm pump for dispensing gasoline, diesel fuel, and similar petroleum products. Steel and aluminum telescoping tube assembly (22-39 inches) with neoprene seal. Eight foot hose with static wired discharge nozzle. Fits 15-55 gallon drums, or tanks with two-inch bung openings. Inlet/Outlet: 3/4" NPT. Dispenses 1 gallon per 8 strokes. Lockable handle.

BK **821-1172**



QUART STROKE PUMP
Accurate, adjustable-stroke piston pump with rack and pinion gearing. Durable, lightweight steel aluminum construction with Delrin® seals. For use with lubricating oils and other non-corrosive liquids. Base is threaded, two-inch NPT to fit standard drum and tank openings. Includes telescoping suction tube assembly for use with 15-55 gallon drums, spring loaded return drain tube, and lockable crank arm. Delivers 1 quart per cycle.

BK **821-5461**



PLASTIC PUMP
Constructed of nylon, stainless steel and PTFE construction. Fits 15-55 gallon drums with two-inch bung openings. Can be used with some stronger chemicals and solvents, such as lacquer thinner, ethanol, antifreeze and kerosene. Also suitable for edible products, such as cooking oils. Includes bung adapter and discharge spout. Dispenses approximately 8 oz. per stroke.

BK **809-5062**



PLASTIC PUMP
Constructed of polypropylene and nickel-plated steel. Can be used with weak acids, antifreeze, and some mild chemicals and detergents. Includes bung adapter and discharge spout. Fits 15–55 gallon drums with two-inch bung openings. Dispenses approximately 8 oz. per stroke.

BK **809-5061**



HAND ROTARY PUMP
Heavy-duty, rotary-vane-type pump with cast iron body, dual vanes, and bung adapter. For dispensing gasoline, diesel fuel, and similar light petroleum products. Fits 15-55 gallon drums with two-inch bung openings. Dispenses approximately 7 1/2 gallons per 100 revolutions. Discharge spout: Threaded 3/4" NPT. Approximate weight: 17 lbs.

BK **807-5210**



STANDARD TRANSFER PUMP
Self-adjusting, telescopic suction tube fits all drums. Floating check valve allows liquids to drain from pump when not in use. Dual threads to fit 1 1/2" and 2" NPT bung openings. Removable spout unscrews and thread accepts garden hose. Delivers 13 oz. per stroke.

BK **811-1121**



BARREL PUMP
Easy-to-operate transfer pump eliminates waste and heavy lifting. Easy-to-adjust or change and spout rotates 180°. Has 3/4" steel spout threaded to 3/4" garden hose coupling on head. Overall length: 42 inches. Zinc die-cast piston with brass piston ring.

BK **807-3003**



PUMP SELECTOR

Item No.	Fits Container Size	Motor Oil	Gear Lube	Grease	Hyd. Oil. ATF	Anti-Freeze	Washer Fluid	Gasoline Fluid	Fuel Oil	Detergent	Paint Thinner	Diesel Fuel
BK **395-1900**	16/55/275 Gal.	X	X		X	X	X		X	*	*	
BK **395-1912**	35 lb.			X								
BK **395-1913**	16 Gal.	X	X		X							
BK **395-1915**	55 Gal.	X	X		X							
BK **395-1917**	120 lb.			X								
BK **395-1918**	120 lb.			X								
BK **395-1919**	400 lb.			X								
BK **395-1920**	16/55/275 Gal.	X	X		X							
BK **395-1921**	N/A	X	X		X	X	X		X	*	*	
BK **809-1023**	400 lb.			X								
BK **809-1024**	400 lb.			X								
BK **809-1025**	16 Gal.	X	X		X							
BK **813-5158**	16/55/275 Gal.	X	X		X							
BK **813-5159**	16/55/275 Gal.	X	X		X							
BK **813-5160**	16/55/275 Gal.	X	X		X				X			
BK **813-5161**	120 lb.			X								
BK **813-5162**	400 lb.			X								
BK **813-5163**	16/55/275 Gal.	X	X		X							
BK **813-5164**	4½ Gal.			X								
BK **815-1051**	35 lb.			X								
BK **815-1056**	35 lb.			X								
BK **815-1057**	120 lb.			X								
BK **817-1130**	16 Gal.	X	X		X							
BK **817-1131**	16 Gal.	X	X		X							
BK **817-1132**	35 lb.			X								
BK **817-1133**	120 lb.			X								
BK **817-1134**	120 lb.			X								
BK **817-1135**	120 lb.			X								
BK **823-1324**	120 lb.			X								
BK **823-1325**	N/A	X										
BK **715-1276**	35 lb. Pail			X								
BK **715-1278**	5 Gal.	X			X				X			
BK **811-1121**	15-55 Gal.	X	X		X				X	X		X
BK **807-3003**	15-55 Gal.	X			X							X
BK **807-5210**	30-55 Gal.	X			X			X	X			X
BK **809-5061**	15-55 Gal.						X			X		
BK **809-5062**	15-55 Gal.					X				X	X	X
BK **821-1172**	30-55 Gal.					X		X	X			X
BK **821-5461**	15-55 Gal.	X	X		X							

**** Paint Thinner and Detergent are generic terms, provide MSDS to factory to confirm compatibility.***

OIL CAN FLOW CONTROL CRANKCASE FILLERS

Flexible spout type. Has special non-spill top and side and top handles for easy use. Roll Lip Seal. Top handles on 5 qt. only.

Part No.	Description
BK **720-1115**	1 qt.
BK **720-1116**	2 qt.
BK **720-1117**	4 qt.
BK **720-1123**	5 qt.



FLOW CONTROL CRANKCASE FILLER

Extra long spout for hard to reach places. Non-spill top. One hand operated flow control valve that locks open. Top and side handles. Clear drain recessed bottom. Marked with quart and liter measurements. Black enamel finish.

BK **720-1308**



FLEXIBLE-SPOUT PISTOL-GRIP OILER

6" Flex spout: 30°.
Capacity: 6 fl. Oz. (180 mL).

BK **720-1016**





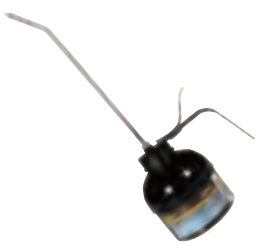
RIGID-SPOUT PISTOL-GRIP OILER
6" Rigid spout: 30°.
Capacity: 16 fl. Oz./1 pt. (480 mL).
BK **720-1013**



RIGID-SPOUT PISTOL-GRIP OILER
6" Rigid spout: 30°.
Capacity: 6 fl. Oz. (180 mL).
BK **720-1011**



RIGID-SPOUT PISTOL-GRIP OILER
6" Rigid, 30° spout with wall hanger.
Capacity: 6 fl. Oz. (180 mL).
BK **720-1010**



RIGID-SPOUT HAND OILER
9" Vertical rigid spout.
Capacity: 16 fl. oz./1 pt. (480 mL).
BK **720-1020**



RIGID-SPOUT HAND OILER
9" Rigid spout: 30°.
Capacity: 16 fl. oz./1 pt. (480 mL).
BK **720-1018**



FLEXIBLE-SPOUT HAND OILER
9" Flex spout: 30°.
Capacity: 16 fl. oz./1 pt. (480 mL).
BK **720-1028**



RIGID-SPOUT HAND OILER
Full-drawn steel, epoxy finished body. Spout has ledge-cone machined tips to lift oil filler dust caps.
6" Rigid Spout: 30°. Capacity: 32 oz.
BK **720-1009**



FLEXIBLE-SPOUT PUMP OILER
Thumb-operated pump dispenser with 9" flexible spout and black epoxy finish. Capacity: 32 oz.
BK **720-1029**



DELUXE SIPHON PUMP
All-purpose pump has unlimited uses around the home, farm, or construction site. Durable, heavy-duty polyethylene plastic construction. Length: 6½ feet.
BK **731-1031**

SAMSON



27 GAL. EVACMASTER WITH PEDESTAL MOUNT
Single point waste fluid suction unit is designed to collect waste fluid from a vehicle using one of the included dipstick suction wands or by connecting directly to the dipstick tube on some vehicles. The unit is installed alongside the service bay. EvacMaster utilizes an internal, air-operated piston pump specially designed for suction applications. The waste fluid is extracted from the vehicle and transferred directly to the shop's waste fluid tank. EvacMaster includes 6.5' evacuation hose length, creating a totally closed-loop system. No contact with the oil reduces environmental concerns, drain-plug incident claims and accidents due to burns or falls. Note: For fast and efficient suction of waste fluid, oil must be warm (70° or above). Do not use with brake fluids, fuel, or any flammable or corrosive fluids.
BK **395-1002**

SAMSON



27 GAL. EVACMASTER DIPSTICK EVACUATION UNIT WITH GRAVITY DRAIN
Includes gravity option for draining oil. A telescoping 17" steel bowl with extension allows conventional draining of oil trough a drain plug. Drain can be pressurized for evacuation into the shop tank. Unit includes a pressure gauge and timer to easily manage application. Note: for fast and efficient suction of waste oil, the oil must be warm (70° or above). Do not use with brake fluid, fuel, or any flammable or corrosive fluids.
BK **395-1004**

SAMSON

27 GAL. EVACMASTER DIPSTICK EVACUATION UNIT



Portable version of the single point waste fluid suction unit is designed to collect waste fluid from a vehicle using one of the included dipstick suction wands or by connecting directly to the dipstick tube on some vehicles. The unit has two fixed large wheels with roller bearings and two heavy-duty casters. The waste fluid is extracted from the vehicle and pumped into the 27-gallon tank on board. This tank can be evacuated using pressurization into the shop's waste fluid tank. Unit also features a 17" steel bowl for gravity drain applications. Includes 6.5' evacuation hose.

BK **395-1003**

SAMSON

USED FLUID DRAIN AND DIPSTICK EVACUATION



Unit includes three piece plastic accessory kit: a tool tray on top of the tank, fender skirt on the bottom of the tank, and a drain bowl extension with a filter drain/anti-splash screen. The unit has two roller bearing supported fixed wheels and heavy-duty casters; includes used fluid suction motor for sucking oil through dipstick. 27 gallon capacity. Ideal for use with all types of passenger cars, trucks, tractors, etc.

BK **395-1001**

JohnDow Industries

FLUID EVACUATOR



Extract used oil or other fluids from any vehicle with this vacuum-extraction system. Great for use on cars, boats, motorcycles, and small engines. Vacuum charged unit is completely portable and easy to use. Includes five suction probes (metal and flexible plastic with storage tube) equipped with quick-disconnect couplers for fluid extraction from dipstick and/or other opening. Also features easy-to-read vacuum gauge, seven-inch wheels for easy handling, and sight tube for viewing fluid level. Adapters for BMW, Mercedes, and VW are also included. Self-evacuating features make emptying clean and easy. Steel tanks: 20 Gallon fluid capacity. Evacuation hose: 10 feet.

BK **395-2122**

JohnDow Industries

AIR-OPERATED 15-GALLON FLUID DISPENSER



Air-pressurized dispenser eliminates the need for air or hand pumps. Great for use with oil, ATF, gear oil, and other fluids. Completely portable—use it either inside or outside the service bay. Air regulator and safety relief valve ensure proper pressurization. Two-inch spout with cap for easy filling, and sight tube for viewing fluid level. Also features heavy-duty, 3" casters. Includes 10-foot hose and dispensing gun. Can also be used with meter gun for accurate measurement. Steel tank capacity: 15 gallons.

BK **395-2123**

SAMSON

18 GAL. FLUID EVACUATOR



Portable 18-gallon pressurized evacuation unit removes used oil. Complete with fill gauge, vacuum gauge, suction wands and connector kit. Combination used oil suction and gravity drain unit. Includes fill level sight gauge. Discharge is carried out through 6.5' discharge hose pressurizing the unit at 7 PSI.

BK **395-1000**

JohnDow Industries

SELF-EVACUATING 25-GALLON PORTABLE OIL DRAIN



Easily and quickly empties with regular shop air. Poly-molded tool tray for convenient tool storage. Heavy-duty, four-inch casters for stability and mobility. Positive-height adjustment (from 50"–70") makes funnel easy to position. Quick-disconnect, six-foot discharge hose. Sight tube shows fluid level in large, 25-gallon capacity steel tank. Also features steel, 16" diameter funnel with expanded metal screen, and safety-relief valve.

BK **395-2120**

JohnDow Industries

27-GALLON DELUXE SELF-EVACUATING POLY OIL DRAIN



16" deep-drawn, offset steel funnel with expanded metal screen. Positive height adjustment from 45" to 70". Lightweight and virtually indestructible. Molded pockets for cap-style filter wrenches. Molded-in tool trays for convenient tool storage. Self-evacuating suing shop air.

BK **811-4012**

"THE TANK" 16-GALLON SELF-EVACUATION DRAIN



Equipped with "Auto Check" Technology which eliminates "oil shower" risk—using shop air makes emptying automatic. Includes air regulator, 15" large steel funnel with built-in screen and four caster wheels. Locking drain tube extends 36" to 59". 6' evacuation hose doubles as fluid level sight tube. 16-gallon steel tank with compact design that takes up less space. For use on oils, coolant, other non-flammable fluids.

BK **815-5617**

JohnDow Industries

PORTABLE 27-GALLON OIL DRAIN TANK

The fast and affordable way to capture used oil and other fluids for proper disposal. Made of high-impact, cross-linked polypropylene, this drain has molded-in handles on all four sides for easy maneuverability. Heavy-duty, four-inch locking casters provide both stability and mobility, while the 16" deep, offset metal funnel with expanded metal screen and swivel base makes positioning a snap. Other features include: Pockets for cap-style filter wrenches, molded-in tool trays for convenient storage and a built-in sight glass that shows fluid level. Optional conversion kit (61431-2) adapts drain for use with pump evacuation system.

BK **811-3010**



JohnDow Industries

POLY PORTABLE 8-GALLON OIL DRAIN TANK

Red, translucent poly tank allows for easy viewing of oil level, and adjusts from 48"-67". Also features an 18" diameter funnel (with strainer), a spout for evacuation and 4" heavy-duty casters.

BK **823-1050**



JohnDow Industries

22-GALLON OIL CHANGE STATION

Built-in filter drain. Holds four to five standard automotive filters, eliminating the need to transfer filters to separate containers for draining prior to disposal. Molded tool pocket keeps wrenches, pliers and other tools readily accessible. 2" Port opening allows easy access from the top of the drain for oil evacuation. Other features include: 16" heavy-duty poly-propylene funnel, lift/lock drain tube which keeps funnel securely in place, adjustable height (40–69 inches), 10" rear wheels/ four inch front casters, pop-up level indicator and padded push handlebars. Also includes gravity drain valve. Optional conversion kit (61431-2) adapts for use with pump evacuation system.

BK **823-3040**



SAMSON

USED OIL DRAIN

For use on 16 gallon keg (not supplied) 17" steel drain bowl with 5 gallon capacity, unique keg cover with anti-leak lip, telescoping drain tube, dipstick level indicator, bung adapter, and four wheel band dolly.

BK **823-1326**



JohnDow Industries

PORTABLE 16-GALLON OIL DRAIN TANK

Heavy-duty, 16-gallon steel tank with positive height adjustment from 50"-70", and built-in sight glass for viewing fluid level. 16" Deep-drawn offset funnel with expanded metal screen. Gravity drain valve included. Optional conversion kit (61431-2) adapts drain for use with pump evacuation system.

BK **817-2015**



SAMSON

5-GALLON STEEL OIL DRAIN

Features a telescoping tube that extends to 65" and a heavy-duty 12" diameter steel drain bowl.
Includes 5-gallon drum.

BK **809-5223**



SAMSON

PORTABLE USED FLUID DRAIN WITH DRUM

Includes 16 gallon keg with evacuation fitting, 17" steel drain bowl with 5 gallon capacity, unique keg cover with anti-leak lip, telescoping drain tube, dipstick level indicator, bung adapter, and four wheel band dolly.

BK **811-1240**



SAMSON

HEAVY-DUTY PEDESTAL OIL DRAIN

Extends to 78", 17" five gallon capacity bowl; includes Valve opening adapter for use with pedestal drain. 2" male bung threads.

BK **811-1241**



SAMSON



LOW-PROFILE MOTORCYCLE OIL DRAIN

Allows easy positioning for hard to access drain plugs. Ideal for motorcycle, marine, off-road, lawn, farm and in-plant use. Holds 10 gals. Air discharge to empty unit. Drain tray adjusts from 29" to 37" high.

BK **395-1905**

LUBMAX Lubrication Equipment



BK **715-1279**

PORTABLE 5-GALLON LIFT DRAIN

Five-gallon capacity lift oil drain features detachable center tube with large opening for easy cleaning. Set screw holds large, adjustable funnel at desired height on telescoping tube. Dolly included.

Item No.	Description
BK **815-5070**	Lift Drain
BK **815-6002**	Plastic Replacement Funnel
BK **815-6022**	Replacement Metal Drain and Tube Assembly



LOW-PROFILE 17-GALLON PORTABLE OIL DRAIN

Fits under most trucks, allowing for fast, efficient collection and transfer of used oil, antifreeze, and other fluids. Can be emptied by gravity drain, evacuation pump, or air evacuation. Features six-inch industrial casters for easy handling, and 38" T-handle that folds down flat for easy storage. Expanded metal shield reduces space. Optional Self-Evacuating Kit available (*BK* **395-2119**). Dimensions: 48" L x 25" W x 9" H.

BK **395-2118**



LOW-PROFILE DRAIN EVACUATING KIT

The *BK* **395-2118** can be converted into a self-evacuating drain with this kit. Using regular shop air, oil is easily transferred from drain to storage tank. Kit includes: Air regulator, safety-relief valve, 10' evacuation hose, drain plug, and mounting hardware. For use with *BK* **395-2118** Oil Drain.

BK **395-2119**

JohnDow Industries



LOW-PROFILE 17 GAL. ANTIFREEZE/OIL DRAIN & PUMP

High-impact, polyethylene construction is lightweight, and resists dents. Ideal for heavy-duty trucks or low-profile specifications. Includes 110-volt electric pump. Dimensions: 49" L x 29 ½" W x 7 ¾" H. Capacity: 17 Gal.

BK **811-4013**



OTC

LOW-PROFILE 15 GAL. ANTIFREEZE/OIL DRAIN & PUMP

Makes draining antifreeze or oil, and getting it to your bulk storage container a snap — all without spilling a drop! Used fluid is collected in reservoir, and rolled smoothly on four-inch, freewheeling casters. Pump moves 5 gallons per minute through the eight-foot transfer hose. Removable handle and attached screen allow assembly to be stored on its side to conserve space. Comes equipped with 110V Electric Pump (528093). Reservoir Capacity: 15 Gal. Dimensions: 24" W. x 42" L. x 9½" H.

BK **811-4017**



BK **821-5039**



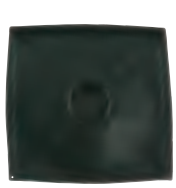
BK **821-5040**

OIL/ANTIFREEZE/UTILITY RECYCLING DRAIN PANS

Make of high-density polyethylene with UV stabilizers for years of use. No seams, one-piece construction. Low center of gravity. Corrosion- , rust- and dent-resistant. Drain pans have pouring spouts for easier recycling and large diameter area for all applications. Cap seals prevent spills and leaks. Meets CA oil recycling rules and regulations.

BK **821-5039** 15 Qt. Closed
BK **821-5040** 9 Qt. Extra Heavy-Duty Closed

ALLOMATIC PRODUCTS CO.



AUTOMATIC TRANSMISSION DRAIN PAN

Avoid fluid spills with this big, 22 x 22-inch drain pan. Lightweight, heavy-duty construction, with drain holes to catch dropped bolts.

BK **821-1177**


BK **827-5058**

OIL TRANSFER PUMP KITS

Electric-motor driven, gear-type pump designed specifically to transfer bulk oils and hydraulic fluids. Larger horsepower electric motors with smaller displacement gear pumps assure adequate power to pump viscous fluids at low temperatures. Self-priming, positive displacement design, and mounts on standard barrel with supplied adapter. Using a dolly makes unit an efficient, clean, and portable transfer system for servicing farm machinery or other large equipment. Can also be used to pump used oil, but suction pipe screen must be used, as it filters out large contaminants. Also features built-in bypass valve and On/Off switch. AC model has built-in, 30", three-prong power cord. Motor (1/2 hp) supplies the necessary power to pump viscous fluids at 4 gpm. Kit includes: Suction pipe, 8' hose, nozzle, and bung adapter. Available in 12 Volt DC or 115 AC.

Specifications

Item No.:	BK 827-5058	BK 827-5059
Shipping Wt.:	27 lbs.	27 lbs.
Inlet:	1" NPT	1" NPT
Outlet:	3/4" NPT	3/4" NPT
Power Cord:	Not Supplied	30"/3-Prong
Hose Size:	3/4" x 8'	3/4" x 8'
Suction Pipe:	35" L.	35" L.

Item No.	Description
BK **827-5058***	12-Volt DC
BK **827-5059***	115 AC
BK **715-1772**	Inlet Suction Screen

**** Drum not included.***


BK **395-2100**


BK **395-2101**


BK **395-2102**

AUTOMOTIVE & HEAVY-DUTY TRUCK FILTER CRUSHERS

Both units reduce filter size by 75%, and remove 95% of residual oil. Operates on shop air and can be set up anywhere—compact size takes up less than four square feet of floor space! Easy to operate—can run when unattended. Safety switch prevents operation when door is open. Requires filter/regulator/lubricator.

Specifications

Item No.:	BK 395-2100	BK 395-2101
Height:	28 1/2"	40"
Width:	12 3/4"	12 3/4"
Depth:	12 3/4"	12 3/4"
Weight:	100 lbs.	150 lbs.
Filter Height:	7 1/2"	13"
Filter Diameter:	6"	6"
Crushing Force:	10 tons	15 tons
Pump/Type:	Air/Hydraulic	Air/Hydraulic

Item No.	Description
BK **395-2100**	Automotive
BK **395-2101***	Heavy-Duty Truck
BK **395-2102**	Stand

**** Stand and drum not included.***
***** Not suggested for use with steel shaft filters.***



25-TON CAPACITY HEAVY-DUTY OIL FILTER CRUSHER

- Handles the big filters (up to 6" dia. and 12 1/2" long) found in trucks, construction equipment, farm implements, etc. May also be used for automotive and light truck filters. It does it all!
- Crushes filters to 1/4 of original size, removing up to 95% of filter's oil capacity. Automatic cycle feature: Load the filter, push a button, and walk away.
- Air/hydraulic pump works on standard shop air (requires 9 CFM at 100 psi). Special valving returns ram automatically at the end of each cycle. No electrical connections needed.
- Built-in floor stand (completely assembled). Whole unit requires just 5 square feet of floor space.
- Made in USA, Covered by OTC Lifetime Marathon Warranty®.

BK **396-3106**

LIGHTING & ELECTRICAL

Batteries 536-537
Extension Cords 533
Flashlights 534-535
Headlamps 536
Lighting & Electrical Accessories 532
Power Inverters 537
Work Lights & Cord Reels 528-531, 535-536



120 LED RECHARGEABLE CORDLESS WORK LIGHT

Offers longer battery life with automatic shut off and over charge protection. Features impact protection, ergonomic grip handle and bumper. Easy operating switch. Two-piece, 360° rotating hook for ease of use and 3-4 hour charging time.

Specifications

Working Voltage : ..... 7.4 Volt DC.
Light Output: ..... 600 Lumens
Impact Resistance: 1m
Run Time: ..... 2-2.5 Hours
Charging Time: ..... 3-4 Hours
Rechargeable Battery: ..... 7.4V 2,000 mAh (Included)
Length: ..... 23.03" Long

BK **782-7111**



90 LED RECHARGEABLE CORDLESS WORK LIGHT

With automatic shut off and over charge protection, prolongs battery life cycles. Impact protection, ergonomic grip handle and bumper. Easy operating switch. Two-piece, 360° rotating hook. 90 SMD LEDs provide 480 lumens.

Specifications

Working Voltage: ..... 7.4 Volt DC.
Light Output: ..... 480 Lumens
Impact Resistance: 1m
Run Time: ..... 3-3.5 Hours
Charging Time: ..... 3-4 Hours
Rechargeable Battery: ..... 7.4V 2,000 mAh (Included)
Length: ..... 20.08" Long

BK **782-7110**



62 LED RECHARGEABLE WORK LIGHT

62 Super bright LEDs with 50,000-hour life and output of 186 lumens. Features 360° ratcheting hook and easy grip handle. Rechargeable Lithium-Ion battery provides up to 3 hours of run time. UL/cUL listed wall charger included.

BK **776-8055**



32 LED RECHARGEABLE WORK LIGHT

32 Super bright LEDs with 50,000-hour life and output of 96 lumens. Features 360° ratcheting hook and easy grip handle. Rechargeable Lithium-Ion battery provides up to 6 hours of run time. UL/cUL listed wall charger included.

BK **776-8054**



64 LED WORK LIGHT

64 SMD (Surface-Mount Diode) LEDs provide 280 lumens. Strong impact-resistant thermoplastic with comfort grip and bumpers. Flexible dual 360° swivel hooks and magnetic base

Specifications

Working Voltage: ..... 125 Volt AC
Light Output: ..... 280 Lumens
Jacket Type: ..... SJTOW
Jacket Color: ..... Black
Cord Length: ..... 25 Ft.
Gauge: ..... 18/2 AWG

BK **782-7112**

13-WATT ANGLED FLUORESCENT WORK LIGHT

Angled, 13W fluorescent work light features 360° swivel/ratcheting hook, magnetic holder, and built-in circuit breaker protection. Also includes convenient tool tap and impact bumpers.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 13 Watts
Jacket Type: ..... SJTOW
Jacket Color: ..... Yellow
Cord Length: ..... 25 Ft.
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temp. Up To: ..... 221° F (105° C)

Item No.	Description
BK **782-5079**	25' Work Light
BK **782-5240**	Replacement Bulb
BK **782-7735**	Magnetic Holder



26-WATT FLUORESCENT WORK LIGHT

Super-bright, 26 watt fluorescent work light features two 360° swivel/ratcheting hooks, built-in circuit breaker protection, impact bumpers, and convenient tool tap. Oil- and water-resistant cord.

Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 26 Watts
Jacket Type: ..... SJTOW
Jacket Color: ..... Hi-Vis Yellow
Cord Length: ..... 25 Ft.
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temp. Up To: ..... 221° F (105° C)

BK **782-7107** 25' Work Light
BK **782-5240** Replacement Bulb (Requires two)



EVERCRAFT



FLUORESCENT WORK LIGHTS

Impact resistant design, easy grip handle, cord strain relief, 360° ratcheting hook, built-in on/off switch. UL/cUL listed.

Specifications

Cord Length:.....25 Ft.
Gauge:.....18/2 AWG.
Jacket Type:.....SJTW
Jacket Color:.....Black

Item No.	Description
BK **776-8057**	13-Watt, 165 Lumens, Angled Fluorescent Work Light
BK **776-8058**	26-Watt, 325 Lumens, Square Fluorescent Work Light
BK **782-5240**	Replacement Bulb
BK **782-7735**	Magnetic Holder

Optik

RETRACTABLE HEAVY-DUTY CORD REEL WITH 90 LED WORK LIGHT



90 SMD (Surface-Mount Diode) LEDs provide 480 lumens. Flexible dual 360° swivel hooks for easy placement. Strong impact-resistant thermoplastic with comfort grip and bumpers. Easy operating switch.

Specifications

Working Voltage:.....125 Volt AC
Light Output:.....480 Lumens
Impact Resistance:.....1m
Jacket Type:.....SJTOW
Jacket Color:.....Black
Cord Length:.....50 Ft.
Gauge:.....18/2 AWG

BK **782-7114**

EVERCRAFT

62 LED WORK LIGHT



Super bright LEDs with 50,000-hour life and output of 186 lumens. Features 360° ratcheting hook. Impact resistant design. Installation kit included for mounting to wall or ceiling. Adjustable 25' cord, built-in on/off switch. UL/cUL approved.

BK **776-8056**

EVERCRAFT

RETRACTABLE METAL CORD REEL WITH 13-WATT FLUORESCENT WORK LIGHT



Retractable metal cord reel with fluorescent work light has 360° ratcheting hook. Impact resistant design, heavy-duty cord return spring. Includes installation kit for mounting to wall or ceiling. Adjustable cord length. Built-in on/off switch, UL/cUL listed.
Replaceable bulb *BK* **782-5420**.

Specifications

Gauge:.....18/2 AWG
Jacket Type:.....SJTW
Jacket Color:.....Black
Cord Length:.....25 Ft.

BK **776-8059**

13-WATT CORD REEL WITH FLUORESCENT STRAIGHT LIGHT



Compact design includes 13 watt fluorescent straight light with one 360° swivel hook, wire stand, flashlight end, convenient tool top, and impact bumpers. Other features include heavy-duty recoil spring, energy absorption system for increased product life, and circuit breaker protection. Ideal for home, auto, and general repair use.

Specifications

Bulb Wattage:.....13W
Maximum Voltage:.....125 VAC
Maximum Amperage:.....10 Amps
Maximum Wattage:.....1,250 Watts
Jacket Type:.....SJTOW
Jacket Color:.....Hi-Vis Yellow
Cord Length:.....35 Ft.
Gauge:.....16/3 AWG
Flexible To:.....-40° F (-40° C)
Withstands Temp. Up To:.....221° F (105° C)

BK **782-7746** 35' Work Light
BK **782-5240** 13W Replacement Bulb

Optik



30-WATT UNDERHOOD/UNDERCAR FLUORESCENT WORK LIGHT

Light features electronic ballast for durability. Ratcheting and telescoping brackets allow perfect positioning of light. Ratcheting hood brackets telescope from 47" to 75". Soft, coated padded hooks are large in size to prevent scratching vehicle surfaces.

Specifications

Working Voltage:.....120 Volt AC
Light Output:.....1500 Lumens
Gauge:.....18/2 AWG
Jacket Type:.....SJTOW
Jacket Color:.....Black
Cord Length:.....25 Ft.

BK **782-7116**

Optik™

1.3-WATT RECHARGEABLE WORK LIGHT



Features 360° rotating hook with magnet, ABS guard material, and one COB (Chip On Board) provides 120 lumens light output. Automatic shut-off and overcharge protection. Rechargeable 1,000 mAh Lithium-Ion battery included.

Specifications

Maximum Wattage: ..... 1.3 Watt
Working Voltage: ..... 3.7 Volt DC
Light Output: ..... 120 Lumens
Impact Resistance: 1m
Run Time: ..... 2-3 Hours
Charging Time: ..... 2-3 Hours
Rechargeable Battery: ..... 3.7V 1,000 mAh (Included)
Dimensions: ..... 4.72" L x 2.48" W x 1.65" D

BK **782-7108**

Optik™

2X1-WATT RECHARGEABLE WORK LIGHT W/CHARGING BASE



Two high-powered COBs (Chip On Board) provide 160 lumens. Chrome reflector plate focuses light intensity on work area. 360° hook with belt clip function. Battery volume indicator and button. Automatic shut-off and over-charge protection prolongs battery life cycles. Magnet on bottom of charging base for easy application on tool cart.

Specifications

Working Voltage: ..... 3.7 Volt DC
Light Output: ..... 160 Lumens
Impact Resistance: 1m
Run Time: ..... 3-4 Hours
Charging Time: ..... 3-4 Hours
Rechargeable Battery: ..... 3.7V 2,200 mAh (Included)
Battery Type: ..... Lithium-Ion
Water Resistance: IP65
Dimensions: ..... 7.60" W x 2.46" H x 1.52" L

BK **782-7109**

Optik™

10-WATT LED RECHARGEABLE HEAVY-DUTY WORK LIGHT SINGLE TRIPOD STAND



Can be used for indoor and outdoor security lighting. Features heavy-duty die-cast aluminum housing and 10 watt super bright COB (Chip On Board) LED that provides 850 lumens. Automatic shut-off and over-charge protection prolong battery life cycles. Quick-fastening for easier light head-adjustment. Features 360° horizontal rotation on base joint and telescopic stand with folding and rotating for storage. Detachable 360° pivoting head can be used without stand.

Specifications

Light Output: ..... 850 Lumens
Impact Resistance: 1m
Run Time: ..... 3.5-4.5 (High) 7.5-8.5 (Low) Hours
Charging Time: ..... 3-4 Hours
Rechargeable Battery: ..... 11.1V 4,000 mAh (Included)
Water Resistance: IP65

BK **782-7115**

EVERCRAFT™

30 LED WORK LIGHT



Includes 30 bright LEDs and is rated for up to 100,000 hours of service. Features high-impact PC lens, ABS body, and swiveling and pivoting LED panel. Operates on (3) AA batteries (included).

BK **782-6608**

INCANDESCENT WORK LIGHT

All-purpose work light features 360° swivel/ratcheting hook, metal bulb guard, and convenient tool tap. Abrasion- and water-resistant cord. Great for home, auto, and general use.



Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 13 Amps
Maximum Wattage: ..... 1,625 Watts
Jacket Type: ..... SJTW
Jacket Color: ..... Orange
Maximum Bulb Wattage: ..... 75 Watts
Gauge: ..... 16/3 AWG
Flexible To: ..... -40° F (-40° C)
Withstands Temps. Up To: . 167° F (75° C)

BK **782-5005** 25' Work Light
BK **782-5006** 50' Work Light

CLAMP-ON FLOODLIGHT

Adjustable clamp light features steel spring, heavy-duty padded attachment clamp, and 8.5-inch reflective bulb shade. Ideal for portable light applications.



Specifications

Maximum Voltage: ..... 125 VAC
Maximum Amperage: ..... 10 Amps
Maximum Wattage: ..... 1,250 Watts
Jacket Type: SPT-2
Jacket Color: ..... Black
Cord Length: ..... 6 Ft.
Maximum Bulb Wattage: ..... 150 Watts
Gauge: ..... 18/2 AWG
Flexible To: ..... -5° F (-20° C)
Withstands Temps. Up To: .. 145° F (60° C)

BK **782-5221**

FLUORESCENT CORD REEL WORK LIGHT REPLACEMENT HEAD



For use with Fluorescent Cord Reel Work Light *BK* **782-7746**. Yellow polypropylene handle with grounded NEMA 5-15R receptacle and rocker switch. Long-life (10,000 hour) 13 watt, 4100K, compact fluorescent lamp installed. Adjustable double hook. Ballast in handle. High-impact polycarbonate lamp protector with light reflector. Clear polycarbonate end cap for spot lighting.

BK **782-5236**

CORDLESS WORKLIGHTS



18V/20V MAX* Cordless/Corded LED Worklight



20V MAX* LED Worklight



20V MAX* LED Worklight



20V MAX* Jobsite LED Spotlight



18V Flexible Floodlight

Tool Only Item No.	*DEW* **DCL061**	*DEW* **DCL050**	*DEW* **DCL040**	*DEW* **DCL043**	*DEW* **DW919**
Volts / Power Source	18V or 20V MAX* or AC/DC Power	20V MAX*	20V MAX*	20V MAX*	18V
Bulb	LED	LED	LED	LED	Xenon Bulb
Brightness	1,500 lumens	500 & 250 lumens	110 lumens	1,000 & 90 lumens	—
Run-Time	Up to 2.5 hrs w/ 4.0 Ah Pack	Up to 3 - 17 hrs.	Up to 11 hrs	Up to 13.5 hrs	Up to 3 hrs
Weight	3.27 lbs (tool only)	2 lbs (tool only)	1.0 lbs (tool only)	1.4 lbs (tool only)	0.5 lbs (tool only)
Charger/Batteries	Sold Separately	Sold Separately	Sold Separately	Sold Separately	Sold Separately

CORDLESS WORKLIGHTS



18V Pivoting Head Flashlight



18V Fluorescent Area Light



Cordless/Corded Worklight



14.4V Pivoting Head Flashlight



12V MAX* Lithium Ion LED Worklight



LED Replacement Bulb

Tool Only Item No.	*DEW* **DW908**	*DEW* **DC527**	*DEW* **DC020**	*DEW* **DW906**	*DEW* **DCL510**	*DEW* **DCL0900**
Volts / Power Source	18V	18V	12-18V NiCd/ NiMH/Li-Ion Batteries or AC/DC Power	14.4V	12V MAX*	9.6V - 36V
Bulb	Xenon bulb	13 Watt fluorescent	38W fluorescent	Xenon bulb	LED	LED
Brightness	—	—	2,700 lumens	—	130 lumens	110 lumens
Run-Time	Up to 3 hrs	Up to 3.5 hrs	Up to 1 hr	Up to 3 hrs	Up to 4 hrs	Up to 4 hrs
Weight	0.5 lbs (tool only)	1.2 lbs (tool only)	6.0 lbs (tool only)	0.5 lbs (tool only)	0.5 lbs (tool only)	0.2 lbs (tool only)
Charger/Batteries	Sold Separately	Sold Separately	Sold Separately	Sold Separately	Sold Separately	—

Optik™

RETRACTABLE HEAVY-DUTY CORD REEL WITH LIGHTED TRI-TAP



Heavy-duty cord reel has 3 receptacles and 3-conductor hi-visibility safety power cord. Water resistant with -40 to 221°F working temperature. Max 125 Volt AC / 1,500W / 12 Amp. Built-in circuit protection, clear tri-tap power block has power-on indicator light. Wall or ceiling mount included.

Specifications

Gauge: ..... 14/3 AWG
Jacket Type: ..... SJTOW
Jacket Color: ..... Black
Cord Length: ..... 50 Ft.

BK **782-7113**

EVERCRAFT™

RETRACTABLE METAL CORD REEL WITH TRI-TAP



Retractable metal cord reel with tri-tap outlet. Multiple outlet connections for convenience. Heavy-duty reel return spring. Includes installation kit for wall or ceiling mount. Adjustable cord length.

Specifications

Gauge: ..... 16/3 AWG
Jacket Type: ..... SJTW
Jacket Color: ..... Black
Cord Length: ..... 25 Ft.

BK **776-8060**



WORK LIGHT BULB GUARD/HANDLE
Three-wire handle with on/off switch. Metal bulb guard features swing-open door and hanging hook. No receptacle. Maximum Bulb Wattage: 75.
BK **782-5281**



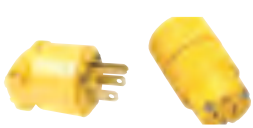
METAL BULB GUARD
Durable, steel construction features swing-open door, and fixed position hook. Maximum bulb wattage: 75.
BK **782-5285**



MAGNETIC HOLDER
Fits *BK* **782-5079** Extension Angled Fluorescent Work Light, allowing easy attachment to steel surfaces.
BK **782-7735**



3-TO-1 POWER OUTLET ADAPTER
15 Amp (1,875 watts) max current and not for use with extension cords.
BK **782-7728**
Do not use with extension cords.



GATOR-GRIP GROUNDING PLUG & CONNECTOR
Two-pole; 3-wire grounding. Accepts cord sizes (depending upon device rating) 3-conductor No. 18 AWG. through No. 10 AWG. Impact-resistant PVC/ABS housing. Affords N.E.C. compliance and is UL listed. Straight-blade devices.
BK **782-7703** Plug
BK **782-7713** Connector



CORD CLAMP PLUG
Rugged vinyl with steel cord clamps. Cord-clamp handle devices for 2-wire and 3-wire applications. 2-wire plugs use round or flat cord up to sizes 14/2. 3-wire plugs use round or flat cord up to size 12/3. Both are 15A/125V.
BK **782-7651**



ROUND FEMALE CONNECTOR
Heavy-duty industrial type connector with armored grip. 2-screw cord grip. UL listed. Rubber. 15A/125V. Three-conductor, three-wire grounded.
BK **782-7688**



15-WATT FLUORESCENT WORK LIGHT REPLACEMENT BULB
For *BK* **782-5045** and *BK* **782-7058**.
BK **782-7743**



13-WATT REPLACEMENT FLUORESCENT BULB
Fits *BK* **782-7746**, *BK* **782-5042**, *BK* **782-5079**, *BK* **782-7107** (2), *BK* **782-6604**, *BK* **782-7739**, *BK* **782-7745**, *BK* **782-6603**, *BK* **782-6602**, *BK* **776-8057**, *BK* **776-8058** (2), *BK* **776-8059**.
BK **782-5240**



SIX-OUTLET POWER STRIP
On/off rocker switch, heavy duty line cord with molded plug. Rugged high-impact plastic housing. For computers, stereos, vcrs, tvs, small appliances and many other electrical items. Cord length: 3 ft. Amp rating: 15 amp (1,875 watts). Temperature range: up to 140° F. UL approved.
BK **782-5014**
Do not use with extension cords.


BK **782-5188**


BK **782-5198**


BK **782-5155**


BK **782-5189**


BK **782-5199**


BK **782-5156**


BK **782-5190**


BK **782-5196**


BK **782-5197**


BK **782-6633**


BK **782-6632**


BK **782-6634**


BK **782-6635**


BK **782-5203**


BK **782-5204**

EXTENSION CORD STYLES:

A Durable weather-resistant jacketing for indoor/outdoor use. Features LED-lighted plug end that lets you know when power is on. UL Listed and double-insulated for use with power tools.

B Durable weather-resistant jacketing for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools.

C High-Visibility and High Performance! Durable weather-resistant jacketing for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools.

D Cold-weather rated for extreme temperatures, stays flexible down to -58°F(-50°C)! Also features handy LED-lighted plug end. UL Listed, polarized 3-wire, double-insulated for use with power tools.

E Locking Power Tool Cords lock safely and securely to any power tool, eliminating the need to tie cords in knots! Water-resistant for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated.

F Multi-Outlet Cords featuring in-line power outlets for added safety and convenience. Taps feature covers for added protection when not in use. Water-resistant for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools. NOTE: *BK* **782-6635** is rated to 15 Amps and uses a 20-Amp male plug to maximize overload protection. Designed to be used with 20-Amp receptacles only.

G Tri-Tap Three Outlet extension cords feature water-resistant jackets for indoor/outdoor use. UL Listed, polarized 3-wire, double-insulated for use with power tools.

STYLE:	A	A	A	B	B	C	C	D	D
Features	*BK* **782-5188**	*BK* **782-5189**	*BK* **782-5190**	*BK* **782-5155**	*BK* **782-5156**	*BK* **782-5196**	*BK* **782-5197**	*BK* **782-5198**	*BK* **782-5199**
Length:	25 ft.	50 ft.	100 ft.	25 ft.	50 ft.	100 ft.	100 ft.	25 ft.	50 ft.
Gauge:	16	16	16	14	14	14	12	16	16
Max, Amps:	13	13	10	15	15	13	15	13	13
Max. Volts:	125	125	125	125	125	125	125	125	125
Jacket Type:	SJTW	SJTW	SJTW	SJTW	SJTW	SJTW	SJTW	SJTOW	SJTOW
Jacket Color:	Orange	Orange	Orange	Orange	Orange	Hi-Vis Yellow	Hi-Vis Yellow	Blue	Blue
Flexible To:	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-58°F(-50°C)	-58°F(-50°C)
Withstands Heat To:	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	221°F (105°C)	221°F (105°C)
Lighted Plug End:	N	N	N	Y	Y	Y	Y	Y	Y

STYLE:	E	E	F	F	G	G
Features	*BK* **782-6633**	*BK* **782-6632**	*BK* **782-6634**	*BK* **782-6635**	*BK* **782-5203**	*BK* **782-5204**
Length:	50 ft.	100 ft.	25 ft.	50ft.	25 ft.	50 ft.
Gauge:	12	14	14	12	12	12
Maximum Amps:	15	13	15	15	15	15
Maximum Volts:	125	125	125	125	125	125
Jacket Type:	SJTW	SJTW	STW	STW	SJTW	SJTW
Jacket Color:	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow	Hi-Vis Yellow
Flexible To:	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)	-40°F(-40°C)
Withstands Heat To:	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)	167°F (75°C)
Lighted Plug End:	N	N	N	N	Y	Y
Multi-Outlet:	N	N	Y	Y	Y	Y
Locking Plug (Female):	Y	Y	N	N	N	N
# of Inline Plug Outlets:	N/A	N/A	2	5	N/A	N/A
Male Plug Type:	15A (5-15P)	15A (5-15P)	15A (5-15P)	20A (5-20P)	15A (5-15P)	15A (5-15P)

Optik™



LED HIGH POWER TACTICAL LIGHT

This shock absorbing, water and chemical resistant tactical light is durable and compact. Features a safety flasher and weather resistant switch. Three C batteries included for a run time of 3.3-hours. This aluminum tactical light features a high-powered LED with 1,200 lumens of light output for a beam distance of 220 m. 4.5V DC.

BK **770-7710**



LED RECHARGEABLE TACTICAL LIGHT WITH USB ADAPTERS

This shock absorbing, water and chemical resistant tactical light is durable and quick charging. Features USB adapters, a battery level indicator and weather resistant switch. One battery is included for a run time of 2-hours. This aluminum tactical light features a high-powered LED with 500 lumens of light output for a beam distance of 180 m. 3.7V DC.

BK **770-7709**



Screw down cuff to recharge

RECHARGEABLE TACTICAL FLASHLIGHT

The Rechargeable Tactical Flashlight features an ultra high power T6 CREE LED, generating an incredible 400 lumens of light. Water and impact resistant IPX4. Up to 2-hours run time and 4 hour charge time. Rechargeable Lithium-Ion battery included.

BK **770-7706**



HIGH POWER TACTICAL FLASHLIGHT

This high powered tactical flashlight is made from durable aircraft-grade aluminum with a stainless steel protective head ring. Features a premium hard-anodized anti-abrasive finish and toughened ultra-clear glass lens with anti-reflective coating. Anti-roll, slip-resistant body is both shock absorbing and water resistant. LED generates 250 lumens of light with a beam distance of up to 200 meters. Digitally regulated output maintains constant brightness. Tactical tail switch with momentary-On function for easy use. Requires (2) CR123A batteries for a runtime of up to 3-hours (not included).

BK **770-7711**



HIGH POWER TACTICAL FLASHLIGHT

The High Power Tactical Flashlight features a 5W CREE LED, generating an amazing 200 lumens of light. A side mounted weather resistant switch provides 3 settings including HIGH, LOW and STROBE. Water and impact resistant IPX4 and includes a hand tether for secure portability. Rear tactical push-button tail-cap switch for easy use. (2) C batteries included for up to 2.5-hours run time.

BK **770-7704**



HIGH POWER TACTICAL FLASHLIGHT

The High Power Tactical Flashlight features a 3W CREE LED, generating 150 lumens of light. Water and impact resistant IPX4 and includes a pocket clip for easy portability. Rear tactical push-button tail-cap switch for easy use. (3) AAA batteries included for up to 3-hours run time.

BK **770-7703**



HIGH POWER POCKET FLASHLIGHT

The High Power Pocket Flashlight features a 3W CREE LED, generating 120 lumens of light. Water and impact resistant IPX7 and includes a pocket clip for easy portability. Rear tactical push-button tail-cap switch for easy use. (2) AA batteries included for up to 2-hours run time.

BK **770-7702**



LED POCKET PEN LIGHT

This shock absorbent, water and chemical resistant pocket pen light is durable and easy to store. Features a slim design with a pocket clip and weather resistant switch. Two AAA batteries are included for a run time of 3.5-hours. This aluminum pen light features a high powered LED with 80 lumens of light output for a beam distance of 300 m. 3V DC.

BK **770-7708**



HIGH POWER MICRO POCKET FLASHLIGHT

The high powered Micro Pocket Flashlight features a 3W CREE LED generating 60 lumens of light. One meter impact resistance, water resistant IPX7, 60 meter distance. Includes a pocket clip for easy portability. Rear tactical push-button tail-cap switch for easy use. (1) AA battery included for up to 2-hours run time.

BK **770-7701**

Optik



TACTICAL FLASHLIGHT 2-PACK DELUXE BOX SET

Deluxe Box includes set of two lights conveniently packaged in a blow-molded case. Includes (1) *BK* **770-7706** Rechargeable Tactical Flashlight. Features an ultra high power T6 CREE LED, generating an incredible 400 lumens of light. Water and impact resistant OPX4. Two hour run time and includes Lithium-Ion battery. Set also includes (1) *BK* **770-7701** High Power Tactical Flashlight. Features a 3W CREE LED, generating 120 lumens of light. Water and impact resistant IPX7, and includes a pocket clip for easy portability. 2-hour run time with (2) AA batteries included.

BK **770-7707**

EVERCRAFT

3D HEAVY-DUTY HIGH OUTPUT LED FLASHLIGHT



Super bright Nichia® LED never needs replacing. Five output modes. High/med/low/strobe/S.O.S. modes. 820 Ft. beam distance. Aircraft grade aluminum housing. 75-hour runtime with (3) D batteries included.

BK **776-8066**

EVERCRAFT

HIGH OUTPUT LED FLASHLIGHT



Super bright Nichia® LED never needs replacing. 328 Ft. beam distance. Aircraft-grade aluminum housing. One hour run time with (2) AA batteries included. Nylon belt pouch included.

BK **776-8065**

EVERCRAFT

TACTICAL LED FLASHLIGHT



Super bright Nichia® LED never needs replacing. Anodized tactical aluminum housing. Water and impact resistant. 328 Ft. beam distance. 3.5-hour run time with (3) AAA batteries included.

BK **776-8062**

EVERCRAFT

LED PEN LIGHT FLASHLIGHT



This compact designed pen light features super bright Nichia LED that never needs replacing. Outputs 72 lumens with a beam distance of 73 meters. Features water-resistant anodized aluminum housing with a pocket clip. Voltage rating of 4.5V DC. 1,333cd beam intensity. (3) AAA batteries included for a 4.5-hour run time.

BK **776-1230**

EVERCRAFT

ALUMINUM HIGH-OUTPUT LED FLASHLIGHT



Super bright Nichia® LED never needs replacing. Anodized aluminum housing. 328 Ft. beam distance. 3.5-hour run time with (3) AAA batteries included.

BK **776-8061**

EVERCRAFT

SUPER BRIGHT FLASHLIGHTS



Nichia LED never needs replacing. Water composite submersible to one meter. Pack of 2. 3.5-Hour run time. (6) AAA batteries included.

BK **776-8063**

Optik

RECHARGEABLE SQUARE HEAD LIGHT



The Rechargeable Square Head Flashlight features a 2 watt CREE LED, generating 140 lumens of light. Made with industrial grade ABS, features a pivoting head for multi-directional light, a charge level indicator and is both water and impact resistant. Includes magnetic base and pivoting hanger. Up to 4-hours run time and a 4.5-hour charging time. Rechargeable Lithium-Ion battery included.

BK **770-7705**

EVERCRAFT

LED MULTI-FUNCTION HAND-HELD LIGHT



This multi-function spot light features professional Nichia LED, locking swivel handle, durable non-slip rubber shell with three output settings of 33%, 100% and Strobe. Soft focus side lantern features up to 6-hours runtime with a beam distance of up to 22-ft. (7 m). Voltage Rating of 4.5V DC with 86 lumens of light output. (3) AA batteries required (not included).

BK **776-1232**

E-Z RED
Innovative products since 1966.

POCKET COB LIGHT STICKS



Pocket COB (Chips On Board) LED Pocket light stick has a weather resistant button, magnetic base and a super strong pocket clip. Operates on (3) AAA batteries. Extremely bright and has a seven hour run time. Color: Red and black.

BK **770-1382**

EVERCRAFT

123

2-IN-1 LED WORK LIGHT

Features two high-output LED. Rare earth magnet on back for hands-free work. 360° swivel hook for added versatility. 42.5-ft. beam distance. 3.5-hour run time with (3) AAA batteries included.

BK **776-8064**



NAPA ServiceTools

48 LED MAGNETIC WORK LIGHT

Large base contains 48 high-intensity LED lights. Housing made from sturdy aluminum. Conveniently rotates 360°. Strong magnetic base attaches to any ferrous metal. Operates with (3) AAA batteries. Voltage: 4.5 Volt DC.

SER **RT-48LT**



NAPA ServiceTools

WORK LIGHT

Light features sturdy aluminum housing with 24 high-intensity LED lights. Head rotates to adjust beam to the perfect angle. AAA batteries included.

SER **RT-2LT**



Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

RECHARGEABLE MULTI-HEAD LED LIGHT

- Detachable slim light head with bonus focusing beam flashlight
- Unique design offers multiple light head designs to use with the same Li-ion rechargeable battery pack
- Made of super tough aircraft-grade aluminum
- Multiple screw-on light head choices allows the right light for the right job
- 3-4 Hours run time on full battery charge
- Versatile 2-in-1 charging system
- Charge from 120V AC with included wall power plug
- Charge from USB charging port with included USB cord
- 3.7V 2000mAh Battery pack base with switch
- 2 watt LED flash light head with focusing beam
- 10 SMD LED thin light head
- Battery pack recharging base with LED charge indicator and magnetic base
- USB Charging cable
- 5V 1A UL Listed Adapter
- Custom Carrying/Storage Pouch

BK **782-7117**







Optik

OPTIK RECHARGEABLE FOCUSING HEADLAMP

Rechargeable Focusing Headlamp has a long range focus beam, adjustable angle head, adjustable headband and allows hands-free use. Features high power LED, three-position switch, charge level indicator, protected charge port, durable aluminum and ABS housing. 380 Lumens.
Battery Type: ..... 2,200 mAh 3.7 Volt Li-ion
Voltage Rating: ..... 3.7 Volt DC

BK **770-7712**



Optik

OPTIK HIGH-POWERED HEADLAMP

The Optik Headlamp features a 3W CREE LED generating 120 lumens of light. Including a 2-way front mounted switch, headlamp features a ratcheting light head for directing light beam as desired. Water and impact resistant IPX2, features an adjustable headband for a secure fit. (3) AAA batteries included for up to 3.5-hours run time.

BK **770-7700**





Long Range Focus



Ratcheting Light Position

EVERCRAFT

120

LED MULTI-FUNCTION HEADLAMP

This multi-function head lamp features professional Nichia LED light. Pro-focus telescoping beam twists from spot light to flood, with a beam distance of up to 650 feet (200 m). Three output settings: 50%, 100%, Strobe. Runs on (3) AAA batteries (included) for up to 8 hours of run time on low or 3-hours on high. Flashlight voltage of 4.5V DC with 120 lumens of light output and an adjustable beam.

BK **776-1231**



EVEREADY

ENERGIZER® 3-VOLT LITHIUM BATTERIES

For electronic applications, including high-intensity LED flashlights. Pack of two.

BK **EL123APB2**



EVEREADY

ENERGIZER® N BATTERIES

Special application batteries for use with Balkamp flashlights and metered oil guns. Dependable and long-lasting. Pack of two.

BK **E90BP-2**



ENERGIZER® MAX BATTERIES

1½ volt.

Part No.	Description
BK **E96BP-2**	AAAA/Carded 2
BK **E91BP-4**	AA/Carded 4
BK **E91MP-8**	AA/Carded 8
BK **522BP-2**	9V/Carded 2
BK **E92BP-4**	AAA/Carded 4
BK **E93BP-2**	C/Carded 2
BK **E95BP-2**	D/Carded 2
BK **E95BP-4**	D/Carded 4
BK **522BP**	9V/Carded 1

EVEREADY



BK **E96BP-2** *BK* **E93BP-2**

2,000 WATT POWER INVERTER

- 1,600 running watts
- 79cc, OHV

Receptacles

- 1 x 120V GFCI duplex (20A)
- 59db @ rated load
- 53db @ ¼ load

Benefits

- Pull-start engine
- Ultra quiet-running
- Automatic throttle saves fuel

BEP **I2000L**



3,500 WATT POWER INVERTER

- 3,000 running watts
- 212cc, OHV

Receptacles

- 1 x 120V GFCI duplex (20A)
- 1 x 120V twistlock (30A)
- 12V 8.3A
- 70db @ rated load
- 66db @ ¼ load

Benefits

- Electric start engine
- Runs most 13,500 BTU RV AC units and more
- Auto throttle
- Digital display meter
- Locking wheel system

BEP **I3500L**



PARALLEL CORDS

- For power inverters

BEP **85571900**



SOLAR

POWER INVERTERS

SOLAR industrial power inverters, featuring Sonic Compression Technology™, deliver clean, reliable power from a 12 Volt power source to a wide variety of power equipment and appliances. Peak Power Ratings meet initial load requirements when starting tools and appliances. Heat dissipating fans are temperature activated and turn on only when needed to reduce demand on the 12V power source. Features: overload protection, overheat protection, under voltage audible alarm, over/under voltage protection and short circuit protection.

150 WATT POWER INVERTER

- 150 Watts continuous power
- 300 Watts peak power
- 1 AC outlet plus USB outlet
- 12V power port vehicle connection
- Perfect for in-vehicle AC power

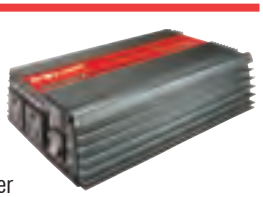
SOR **PI1500X** 150 Watt Power Inverter



500 WATT POWER INVERTER

- 500 Watts continuous power
- 1,000 Watts peak power
- 2 AC outlets
- 1 USB outlet
- Includes input leads with clamp set and input leads with 12V male adapter
- 1 Year Limited Warranty

SOR **PI5000X** 500 Watt Power Inverter



1,000 WATT POWER INVERTER

- 1,000 Watts continuous power
- 2,000 Watts peak power
- 2 AC Outlets
- Mounting plate for fixed applications
- ETL-approved construction
- 1 Year Limited Warranty

SOR **PI10000X** 1,000 Watt Power Inverter



1,500 WATT POWER INVERTER

- 1,500 Watts continuous power
- 3,000 Watts peak power
- 3 AC Outlets
- Power display
- Mounting plate for fixed applications
- ETL-approved construction
- 1 Year Limited Warranty

SOR **PI15000X** 1,500 Watt Power Inverter



2,000 WATT POWER INVERTER

- 2,000 Watts continuous power
- 4,000 Watts peak power
- 3 AC outlets
- Individually switched outlets
- Power display
- Mounting plate for easy fixed mounting
- ETL-approved construction
- One year limited warranty

SOR **PI20000X** 2,000 Watt Power Inverter



3,000 WATT POWER INVERTER

- 3,000 Watts continuous power
- 6,000 Watts peak power
- 3 AC outlets
- Individually switched outlets
- Junction block connection
- Remote switch
- Power display
- Mounting plate for easy fixed mounting
- ETL-approved construction
- One year limited warranty

SOR **PI30000X** 3,000 Watt Power Inverter




Challenger Lifts
NAPA
BRAKE SERVICE

SHOP HEATING & COOLING

Convection Heaters 545
Fan Blower/Dryers 549
Fan Heaters 545-546
Fan Ventilators 549
Fans 547--549
Forced-Air Heaters 542-543
Industrial Ceiling Fans 550
Infrared Space Heaters 544
Radiant Heaters 545
Shop Cooling Equipment 546-547
Tank-Top Heaters 545
Waste Oil Boilers & Accessories 541-542
Waste Oil Heaters & Accessories 540-542

For more than 30 years, EnergyLogic has helped businesses reduce energy costs with our environmentally friendly Waste Oil Heaters, Boilers and MacroAir HVLS fans. EnergyLogic waste oil heating systems provide a safe manner for recycling your existing oil while reducing, and often eliminating heating bills, hauling risks and liability. We are UL certified and the only waste oil and HVLS fan company approved by Ford, GM, Chrysler/ Mopar, Honda, Lexus, Toyota, Mercedes and BMW, as well as many other large corporations and independent shop owners across the country.

energylogic
Where There's Energy, There's Opportunity™



COMPLETE SYSTEMS (INCLUDES FURNACE, TANK AND FLUE KIT)

Furnace	BTUs	Heats Up To	130 Gal. Tank Item No.	200 Gal. Tank Item No.	250 Gal. Tank Item No.
EL-140	140,000	3,500 Sq. Ft.	*EL* **01140102**	*EL* **01140108**	*EL* **01140103**
EL-200	200,000	5,000 Sq. Ft.	*EL* **01200103**	*EL* **01200109**	*EL* **01200104**
EL-350	350,000	8,500 Sq. Ft.	**N/A**	**N/A**	*EL* **01350104**

**** EL-350 is only mountable on the 250 gallon tank.***

FURNACES ONLY

Furnace	BTUs	Heats Up To	Item No.
EL-140	140,000	3,500 Sq. Ft.	*EL* **01140101**
EL-200	200,000	5,000 Sq. Ft.	*EL* **01200101**
EL-350	350,000	8,500 Sq. Ft.	*EL* **01350101**

WASTE OIL HEATERS

The Best Use for Your Waste Oil

Stainless Steel Heat Exchanger (EXCLUSIVE)
Designed to prevent corrosion, warping and weld breakage. Built to last decades, not years

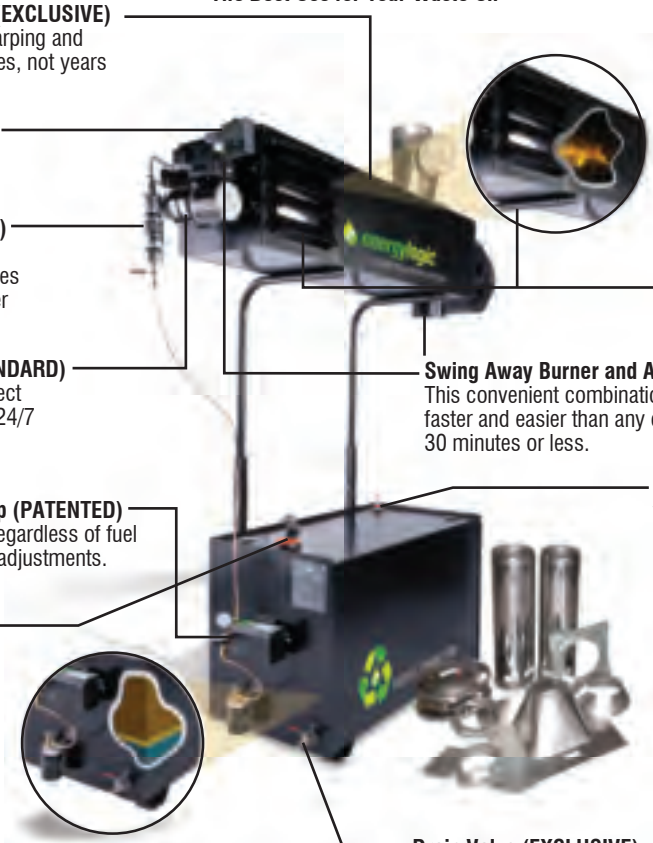
Digital Hour Meter (STANDARD)
Tracks runtime and acts as visual aid for maintenance hours.

Accutemp Preheater (PATENTED)
Largest preheater which rapidly heats the widest range of viscosities of used oil, synthetic oils and other acceptable fuels.

Integrated Air Compressor (STANDARD)
Built in so you don't have to connect to and rely on shop air. Providing 24/7 heating availability.

Side Suction Metering Fuel Pump (PATENTED)
Reliable, consistent fuel delivery regardless of fuel type (up to 90W) with no manual adjustments.

Low Fuel Cut Off (EXCLUSIVE*)
Turns off the furnace before running out of fuel – preventing time-consuming troubleshooting, shutdowns and repriming.
**** Included with complete systems***



Flame Retention Head (PATENTED)
This patented design creates a hotter flame than competitor brands for complete fuel combustion and highest heat output. Less ash is produced resulting in longer maintenance intervals than competitor brands

Swing Away Burner and Ash Removal Port (STANDARD)
This convenient combination makes cleaning the chamber faster and easier than any other brand. One tool, 30 minutes or less.

Fuel Gauge (STANDARD)
Visual indicator of how much used oil is in your tank.

Class A Flue Kit (STANDARD*)
Stainless steel interior, double-wall flue kits are UL-listed and meet local codes.
****Standard for complete system or sold separately.***

Drain Valve (EXCLUSIVE)
Makes it simple to purge water or other contaminants that naturally settle in the bottom of the tank.

Elevated Fuel Pick Up
1) Pump can be mounted at the fuel source – instead of on top of the tank – so the pump is flooded with used oil, not air!
2) Fuel pick up is six inches above the bottom of the tank, above water and sludge, ensuring only used oil is sent to the furnace.
3) Easy spin-on fuel filter..

Pictured: 200H on 250 tank and Class A Flue Kit.

★ THE INDUSTRY'S ONLY ★
MONEY BACK GUARANTEE
2 YR PARTS/10-YR HEAT EXCHANGER WARRANTY

EnergyLogic provides a full line of tanks, flue kits and other parts and accessories for a complete and custom install.

energylogic
Where There's Energy, There's Opportunity™

200B WASTE OIL BOILER



- Fuel flow rate: 1.4 gallon/hour
- Water output temperature (max.): 230° F
- Wet floor based heat exchanger
- Boiler capacity: 30 gallons
- Electrical requirements: 115 VAC, 60Hz, 20 amps dedicated circuit
- Exhaust Flue Diameter is 8"
- Shipping weight
  System with standard tank: 1,160 lbs.
  System without tank: 765 lbs.
- UL and ASME Certified
- EPA approved

EL **02200101**

375B WASTE OIL BOILER



- Fuel Flow rate: 2.7 gallon/hour
- Water output temperature (max): 230° F
- Wet floor based heat exchanger
- Boiler capacity: 43 gallons
- Electrical requirements:
  115 VAC, 60Hz, 20 amps dedicated circuit
- Exhaust Flue diameter is 8"
- Shipping weight
  System with standard tank: 1,570 lbs.
  System without tank: 1,175 lbs.
- UL and ASME Certified
- EPA approved

EL **02375101**

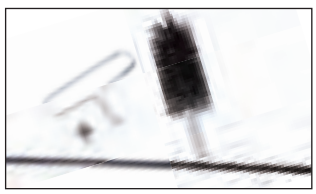
500B WASTE OIL BOILER



- Fuel flow rate: 3.6 gallons/hour
- Water output temperature (max.): 230° F
- Wet floor based heat exchanger
- Boiler capacity: 52 gallons
- Electrical requirements: 115 VAC, 60Hz, 20 amps dedicated circuit
- Exhaust Flue Diameter is 10"
- Shipping weight
  System with standard tank: 1,424 lbs.
  System without tank: 1,029 lbs.
- UL and ASME Certified
- EPA approved

EL **02499101**

BOILER BRUSH KITS



- Clean ash quickly and efficiently from boiler tubes using the boiler brushes specifically designed for EnergyLogic boilers.
- The kit includes a rod, brush and handle.

EL **05000189** Compatible with 200B
EL **05000190** Compatible with 375B and 500B



HEATER ASH CLEANING TOOL

- The tool head is curved to match the shape of the furnace heat exchanger in order to remove ash completely and efficiently.
- Each tool allows full reach throughout the heat exchanger to simply push the ash straight out of the ash cleanout port.

EL **14033227** Compatible with 140H and 200H
EL **04000279** Compatible with 350H

WASTE OIL FILTER DRAIN PANS



- Used as a funnel for draining and screening used oils from filters or components into the storage tank.
- Compatible with all EnergyLogic tanks.

EL **20352225** Small, 9 in. x 18 in.
EL **20352226** Large, 16 in. x 18 in.

STANDARD LOUVER



- Can be added to the furnace to allow for air dispersion from both sides.
- Compatible with 140H, 200H and 350H

EL **20331138**

MULTI-DIRECTIONAL LOUVER



- Allows the operator to direct and spread the heated air to a more beneficial location.
- Must be used in conjunction with standard louvers.
- Compatible with 140H, 200H and 350H

EL **20331142**

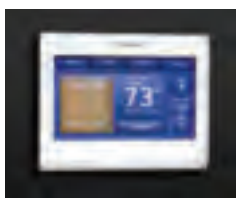
LOUVER DOWNFLOW VENT



- Directs heated air downward toward the shop floor.
- Effective up to 20 feet above the desired heating area.
- Ideal for facilities with high ceilings where the furnace is mounted above 12 feet.
- Compatible with 140H, 200H and 350H

EL **06000440**

SMARTSTAT WIRELESS KIT



- Provides 24/7 remote thermostat control for waste oil heater from any smart phone, tablet or internet connected device.
- Tracks run time between services and sends alert 200 hours before service is due.
- Sends email or text message for preventative maintenance, service schedule and trouble codes for up to 10 users.
- Self diagnoses minor issues such as clogged filters and low fuel.

EL **05000179**

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SMARTSTAT KIT

- 24/7 programmable thermostat with monitoring system, LED indicators and display readouts.
- Monitors fuel level, filter condition, tracks run hours and alerts trip-out condition.
- Includes thermostat, display box, pump vacuum switch, wiring and hardware.
- Compatible with any EnergyLogic heater.

EL **05000136**

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WASTE OIL HEATER ANNUAL MAINTENANCE KIT

- The maintenance kit provides all the necessary service components to maximize annual performance and efficiency in less than 45 minutes.
- The kit includes:
  - 1 Air Compressor Filter
  - 1 Solenoid Valve O-Ring
  - 2 Preheater Gaskets
  - 1 Drip Cap Gasket
  - 1 - 5 inch Spin-On, Fuel Filter
  - 1 Burner Gasket
  - 1 Nozzle



EL **05000027** Compatible with 140H, 200H
EL **05000028** Compatible with 350H

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5 IN. SPIN-ON FUEL FILTER

- Used with EnergyLogic filter head assembly (standard with every unit).
- Compatible with any EnergyLogic furnace or boiler.

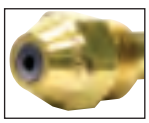


EL **05000052** 12 pack
EL **20270185** Single

energylogic

NOZZLES





EL **20210123** #5, Compatible with 140H, 200H and 200B
EL **20210124** #28, Compatible with 340H, 350H, 375B and 500B

energylogic

ELECTRODES WITH RETENTION HEAD KIT

Item No.	Description
EL **05000162**	Compatible with 140H and 200H and 200B
EL **05000163**	Compatible with 340H and 350H.
EL **05000164**	Compatible with 375B and 500B



energylogic

45 DEGREE THRU THE WALL CHIMNEY FLUE KIT

- Allows you to safely run the flue through the wall and up the outside of the building,
- Avoids using a horizontal flue run (which will collect and fill up with ash over time) requiring more frequent flue cleaning.



Item No.	Description
EL **05000176**	6"
EL **05000177**	8"
EL **05000178**	10"

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HEATER WALL MOUNT BRACKETS

- The heater wall mount brackets provide a support structure for mounting the heater to the wall.
- Compatible with 140H, 200H and 350H.

EL **05000087**



MASTER

600,000 BTU KEROSENE/DIESEL FORCED AIR HEATER

- Heats up to 15,000 sq. ft.
- Operates up to 9 hours on full tank (40 gal.) of fuel
- Multi-fuel compatible
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty



MHR **MH600TKFA**

MASTER

400,000 BTU KEROSENE/DIESEL FORCED AIR HEATER

- Heats up to 10,000 sq. ft.
- Operates up to 8 hours on full tank (24 gal.) of fuel
- Multi-fuel compatible
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty



MHR **MH400TKFA**

MASTER
THE PROFESSIONAL'S CHOICE FOR OVER 50 YEARS

170,000 OR 220,000 BTU SILENTDRIVE® KEROSENE/ DIESEL FORCED AIR HEATER



- Heats up to 5,500 sq. ft.
- Operates up to 10 hours on full tank (13 gal.) of fuel
- Multi-fuel compatible
- 50% Less noise than a comparable forced air heater
- Dual BTU settings
- Maintenance free electronic pump. No filters to replace
- 46% Less electricity consumed than a comparable forced air heater
- Multiple function LED read out
- Heavy-duty solid wheels
- 1-year limited warranty

MHR **MH-220T-DVF**

190,000 BTU KEROSENE/DIESEL FORCED AIR HEATER



- Heats up to 4,750 sq. ft.
- Operates up to 9 hours on full tank (13 gal.) of fuel
- Multi-fuel compatible
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty

MHR **MH190TKFA**

135,000 BTU KEROSENE/ DIESEL FORCED AIR HEATER



- Heats up to 3,375 sq. ft.
- Operates up to 10 hours on full tank (10 gal.) of fuel
- Multi-fuel compatible
- Built-in thermostat with digital operating system
- 10 In. heavy-duty pneumatic wheels
- Safety shut-off system
- 1-year limited warranty

MHR **MH135TKFA**

120,000 OR 150,000 BTU SILENTDRIVE® KEROSENE/DIESEL FORCED AIR HEATER



- Heats up to 3,750 sq. ft.
- Operates up to 11 hours on full tank (10 gal.) of fuel
- Multi-fuel compatible
- 50% Less noise than a comparable forced air heater
- Dual BTU settings
- Maintenance free electronic pump. No filters to replace
- 46% Less electricity consumed than a comparable forced air heater
- Multiple function LED read out
- Heavy-duty solid wheels
- 1-year limited warranty

MHR **MH-150T-DVF**

75,000 BTU KEROSENE/DIESEL FORCED AIR HEATER



- Heats up to 1,875 sq. ft.
- Operates up to 9 hours on full tank (5 gal.) of fuel
- Multi-fuel compatible
- Easy assembly
- Built-in thermostat
- Safety shut-off system
- 1-year limited warranty

MHR **MH75TKFA**

120/135/150,000 BTU GAS FORCED AIR HEATER



- Heats up to 3,800 sq. ft.
- Operates up to 18 hours on full 100 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose and regulator included
- 1-year limited warranty

MHR **MH150VGFA**

95/110/125,000 BTU GAS FORCED AIR HEATER



- Heats up to 3,100 sq. ft.
- Operates up to 22 hours on full 100 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose & regulator included
- 1-year limited warranty

MHR **MH125VGFA**

40/50/60,000 BTU GAS FORCED AIR HEATER



- Heats up to 1,500 sq. ft.
- Operates up to 11 hours on full 20 lb. propane tank
- Variable heat settings
- Continuous electronic ignition
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose & regulator included
- 1-year limited warranty

MHR **MH60VGFA**

40,000 BTU GAS FORCED AIR HEATER



- Heats up to 1,000 sq. ft.
- Operates up to 11 hours on full 20 lb. propane tank
- Over-heat shut-off system
- Adjustable heat angle
- 10 Ft. hose & regulator included
- 1-year limited warranty

MHR **MH40GFA**

MASTER
THE PROFESSIONAL'S CHOICE FOR OVER 50 YEARS

5,100 BTU WALL-MOUNTED INFRARED SPACE HEATER

- Heats up to 150 sq. ft.
- Ruby red bulb
- LED lights
- 1 Heat setting
- Wall-mount steel bracket
- Tungsten heating element
- Indoor/Outdoor use
- Aluminum/Stainless Steel frame
- Remote control included

MHR **SSR-820R-IHR**



5,100 BTU WALL-MOUNTED INFRARED SPACE HEATER

- Heats up to 150 sq. ft.
- Gold coated bulb
- LED lights
- 1 Heat setting
- Wall-mount steel bracket
- Tungsten heating element
- Indoor/Outdoor use
- Aluminum/Stainless Steel frame
- Remote control included

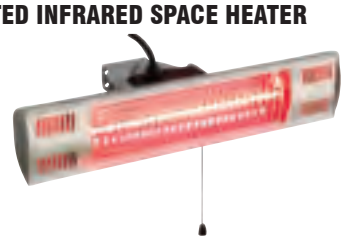
MHR **SSR-820G-IHR**



5,100 BTU WALL-MOUNTED INFRARED SPACE HEATER

- Heats up to 100 sq. ft.
- Gold coated bulb
- 1 Heat setting
- Wall-mount steel bracket
- Tungsten heating element
- Indoor/Outdoor use
- Aluminum/Stainless Steel frame

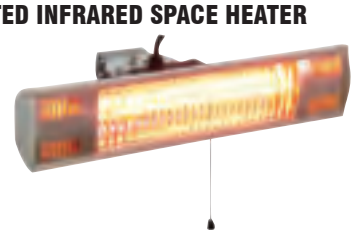
MHR **SSR-808G-IHR**



5,100 BTU WALL-MOUNTED INFRARED SPACE HEATER

- Heats up to 100 sq. ft.
- Ruby red bulb
- 1 Heat setting
- Wall-mount steel bracket
- Tungsten heating element
- Indoor/Outdoor use
- Aluminum/Stainless Steel frame

MHR **SSR-808R-IHR**



5,100 BTU HANGING INFRARED SPACE HEATER

- Heats up to 170 sq. ft.
- Frosted bulb
- 3 Heating bulbs
- 3 Heat settings
- Tungsten heating element
- Safety tip-over switch
- 7.5 ft. Power cord
- Folds with parasol
- Indoor/Outdoor use
- Steel cover

MHR **SSR-840F-IHR**



5,100 BTU FREE-STANDING INFRARED SPACE HEATER

- Heats up to 150 sq. ft.
- Clear bulb
- 2 Heating bulbs
- 3 Heat settings
- Tungsten heating element
- Safety tip-over switch
- 7.5 ft. Power cord
- Indoor/Outdoor use
- Stainless steel pole
- Aluminum cover and base

MHR **SSR-834H-IHR**



5,100 BTU FREE-STANDING INFRARED SPACE HEATER

- Heats up to 150 sq. ft.
- Ruby red bulb
- 1 Heat setting
- LED lights
- Tungsten heating element
- Heavy base
- 8 ft. Power cord
- Indoor/Outdoor use
- Stainless steel pole
- Aluminum/Stainless Steel frame
- Remote control included
- Adjustable height (70-78 in.)

MHR **SSR-822R-IHR**



5,100 BTU FREE-STANDING INFRARED SPACE HEATER

- Heats up to 150 sq. ft.
- Gold coated bulb
- 1 Heat setting
- LED lights
- Tungsten heating element
- Heavy base
- 8 ft. Power cord
- Indoor/Outdoor use
- Stainless steel pole
- Aluminum/Stainless Steel frame
- Remote control included
- Adjustable height (70-78 in.)

MHR **SSR-822G-IHR**



MASTER
THE PROFESSIONAL'S CHOICE FOR OVER 50 YEARS

36/40/47,000 BTU TRIPLE BURNER TANK TOP HEATER



- Heats up to 1,175 sq. ft.
- Operates up to 12 hours on low and 9.2 hours on high with full 20 lb. propane tank
- 3 heat settings
- Match light ignition
- Burners tilt and swivel to direct heat towards user
- Wind resistant
- Safety tip-over switch
- Hose and regulator included
- 1-year limited warranty

MHR **MH47TTC**

25/28/32,000 BTU DOUBLE BURNER TANK TOP HEATER



- Heats up to 800 sq. ft.
- Operates up to 36 hours on low & 13 hours on high with full 20 lb. propane tank
- 3 heat settings
- Match light ignition
- Burners tilt & swivel to direct heat towards user
- Wind resistant
- Safety tip-over switch
- Hose & regulator included
- 1-year limited warranty

MHR **MH32TTC**

12/14/16,000 BTU SINGLE BURNER TANK TOP HEATER



- Heats up to 400 sq. feet
- Operates up to 36 hours on low and 27 hours on high with full 20 lb. propane tank
- 3 heat settings
- Match light ignition
- Burner swivels to direct heat towards user
- Wind resistant
- Safety tip-over switch
- 1-year limited warranty

MHR **MH16TTC**

125,000 BTU KEROSENE/DIESEL RADIANT HEATER



- Heats up to 3,125 sq. ft.
- Operates up to 20 hours on full tank (14 gal.) of fuel
- Multi-fuel compatible
- 50% Less Noise than a comparable Forced Air Heater
- Heavy Duty Wheels for easy portability
- Safety Shut-off system
- 1-year limited warranty

MHR **MH125OFR**

70,000 BTU KEROSENE/DIESEL RADIANT HEATER



- Heats up to 1,750 sq. ft.
- Operates up to 7 hours on full tank (4 gal.) of fuel
- Multi-fuel compatible
- 50% Less noise than a comparable forced air heater
- Compact, easily portable design
- Safety shut-off system
- 1-year limited warranty

MHR **MH70SS**

70/200,000 BTU GAS CONVECTION HEATER



- Heats up to 5,000 sq. ft.
- Operates up to 31 hours on low and 10.5 hours on high with full 100 lb. propane tank
- 2 heat settings
- Piezo ignition
- 360° Heating radius
- Wind resistant
- Over-heat shut-off
- 10 Ft. Hose and regulator included
- 1-year limited warranty

MHR **MH200LPC**

60/70/80,000 BTU GAS CONVECTION HEATER



- Heats up to 1,800 sq. ft.
- Operates up to 36 hours on low and 27 hours on high with full 100 lb. propane tank
- 3 heat settings
- Piezo ignition
- 360° Heating radius
- Wind resistant
- Over-heat shut-off
- 10 Ft. Hose and regulator included
- 1-year limited warranty

MHR **MH80LPC**

6.6/12/18,000 BTU PORTABLE CABINET HEATER



- Heats up to 450 sq. ft.
- Operates up to 65 hours on low & 24 hours on high with full 20 lb. propane tank
- 3 heat settings
- Piezo ignition
- Easily portable with 4 rolling casters (rear locking)
- Built-In ODS (Oxygen Depletion System) & safety tip-over switch
- Hose & regulator included
- 1-year limited warranty

MHR **MH18PCH**

8,500 - 17,000 BTU ELECTRIC FAN HEATER



- 2,500 – 5,000 watts
- Heats up to 540 sq. ft.
- 2 Heat settings
- Thermostat control
- 360° Swivel range
- Tilt options
- All steel design
- Ceiling mounted
- Overheat protection
- Fan only option
- Plug and cable included
- 1-year limited warranty

MHR **MH-05-240-GH**

MASTER

5,100 BTU ELECTRIC FAN HEATER

- 1,500 watts
- Heats up to 165 sq. ft.
- 1 Heat setting
- Thermostat control
- Overheat protection
- Fan only option
- Plug and cable included
- Easy lift handles
- 1-year limited warranty

MHR **MH-515-120**



MASTER

10,200 BTU ELECTRIC FAN HEATER

- 3,000 watts
- Heats up to 320 sq. ft.
- 1 Heat setting
- Thermostat control
- Overheat protection
- Fan only option
- Plug and cable included
- Easy lift handles
- 1-year limited warranty

MHR **MH-53-240**



PORTACOOL

PORTACOOL™ 36 IN. VARIABLE-SPEED

This easy-to-use product is the solution you have been searching for to keep your workers cool, safe, and comfortable.

Features

- Low water shutoff
- Variable-speed operation
- Water control valve
- Cools 2,650 s.f.

POR **PAC2K36HPVS**



PORTACOOL

PORTACOOL™ 36 IN. ONE-SPEED

Most economical method of cooling garages, bays, and warehouses. When comfort is a concern, think of Portacool™ evaporative coolers.

Features

- Low water shutoff
- Standard water hose connection
- Water control valve
- Cools 2,500 s.f.

POR **PAC2K361S**



PORTACOOL

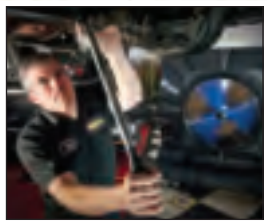
PORTACOOL™ HURRICANE 3600

Keep your workers cool and productivity high with this heavy-duty evaporative cooler. The unique "tunnel" pattern airflow reaches farther for maximum coverage.

Features

- Highest airflow of any 36" cooler
- Low-water shutoff, timer, temp sensor
- Digital control operation
- Cools 3,500 s.f.

POR **PACHR3600**



PORTACOOL

PORTACOOL™ 48 IN. TWO-SPEED

This is our largest product with the highest cooling capacity. Perfect for cooling the largest, hottest spaces.

Features

- Low water shutoff
- Heavy duty, 8" casters
- Water control valve
- Cools 4,000 s.f.

POR **PAC2K482S**



PORTACOOL

PORTACOOL™ 36 IN. THREE-SPEED

Cool all your hard-to-cool areas and your workers. Our most popular evaporative cooler for 25 years.

Features

- Low water shutoff
- Standard water hose connection
- Water control valve
- Cools 2,500 s.f.

POR **PAC2K363S**



PORTACOOL

PORTACOOL™ 24 IN. VARIABLE-SPEED

Cool all your hard-to-cool areas and your workers. When comfort is a concern, think of Portacool™ evaporative coolers.

Features

- Low water shutoff
- Standard water hose connection
- Water control valve
- Cools 1,400 s.f.

POR **PAC2K24HPVS**



Portacool™ portable evaporative coolers are economical and cool using just tap water and 120v
Lowers temperature as much as 30° F

PORTACOOL

PORTACOOL™ 16 IN. VERTICAL TANK

Perfect for the garage or single person work area, this evaporative cooler is the solution to your hottest problems.



Features

- 42 Gallon water tank lasts all day
- Water control valve
- Cools 900 s.f.

POR **PAC163SVT**

PORTACOOL

PORTACOOL™ JETSTREAM 2400

Designed for powerful, yet attractive, cooling. Extra-large reservoir ensures cool air for a full work day without a hose connection.



Features

- Dual water fill options
- Adjustable louvers
- Water control valve
- Cools 2,000 s.f.

POR **PACJS2400**

PORTACOOL

PORTACOOL™ JETSTREAM 1600

Intense spot cooling. Instant comfort. Adjustable louvers put air right where you need it and are ready to use right out of the box.



Features

- Dual water fill options
- Adjustable louvers
- Water control valve
- Cools 1,000 s.f.

POR **PACJS1600**

PORTACOOL

PORTACOOL™ CYCLONE 3000

Equipped with powerful centrifugal fans these evaporative coolers are ideal for your garage or patio. Enjoy your outdoor space longer!



Features

- Dual water fill options
- Adjustable louvers
- Water control valve
- Cools 700 s.f.

POR **PAC2KCYC01**

PORTACOOL

PORTACOOL™ CYCLONE 2000

Portacool Cyclone™ products are compact in size but huge in performance.



Features

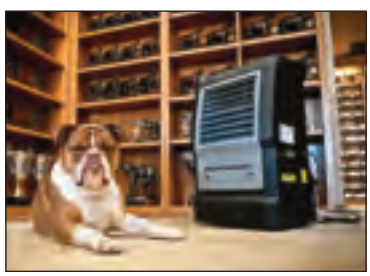
- Dual waterfill options
- Adjustable louvers
- Water control valve
- Cools 500 s.f.

POR **PACCYC02**

PORTACOOL

PORTACOOL™ CYCLONE 1000

The smallest footprint of the Portacool™ family of evaporative coolers. Take your outdoor spaces back from the heat!



Features

- Dual waterfill options
- Adjustable louvers
- Water control valve
- Cools 300 s.f.

POR **PACCYC06**

PORTACOOL

PORTAFILLER PORTABLE WATER TANK



Features

- 50 Gallon capacity
- For use with 48", 36", and 24" products
- Completely portable
- 40" H x 20.5" W x 36.5" D

POR **PAC-ACC-01**

MASTER

48 IN. HIGH CAPACITY BARREL FAN



- Two-speed high-velocity motor
- 10,600-17,200 CFM airflow
- 1 HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- 10 In. heavy-duty pneumatic wheels with patented fold-out design
- 10 Ft. power cord
- 1-year limited warranty

MHR **MAC48BDF**

Portacool™ portable evaporative coolers are economical and cool using just tap water and 120v Lowers temperature as much as 30° F

MASTER

42 IN. HIGH-CAPACITY BARREL FAN

- Two-speed high-velocity motor
- 9,500-13,300 CFM airflow
- 1/2 HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- 10 In. heavy-duty pneumatic wheels with patented fold-out design
- 10 Ft. power cord
- 1-year limited warranty

MHR **MAC42BDF**



BE

42 IN. DRUM FAN

- 0.5HP
- 586 watts
- 5.5 amp
- 4 blade
- 2 speed
- Wheels
- 15,400 max CFM

BEP **FD42**



MASTER

36 IN. HIGH CAPACITY BARREL FAN

- Two-speed high-velocity motor
- 7,300-10,200 CFM airflow
- 1/3 HP motor
- Quiet, long-lasting belt drive design reduces vibrations and improves motor performance
- 10 In. heavy-duty pneumatic wheels with patented fold-out design
- 8 Ft. power cord
- 1-year limited warranty

MHR **MAC36BDF**



BE

36 IN. DRUM FAN

- 0.33HP
- 423 watts
- 8.8 amp
- 3 blade
- 2 speed
- Wheels
- 11,200 max CFM

BEP **FD36**



MASTER

30 IN. INDUSTRIAL HIGH-VELOCITY FAN

- Two speed settings
- Up to 8,000 CFM airflow
- 1/4 HP industrial motor
- Swivel cart for easy portability and universal airflow
- Easily converts for ceiling mount installation
- 9 Ft. power cord
- 1-year limited warranty

MHR **MAC30DDF**



MASTER

24 IN. HIGH-VELOCITY DRUM FAN

- Two speed settings
- Up to 7,500 CFM airflow
- 1/4 HP industrial motor
- Swivel cart for easy portability and universal air direction
- 9 Ft. power cord
- 1-year limited warranty

MHR **MAC24DDF**



MASTER

24 IN. OMNI FAN

- Three-speed high-velocity motor
- Up to 6,000 CFM airflow
- 1/4 HP motor
- Versatile Omni design allows airflow in any direction
- 9 Ft. power cord
- 1-year limited warranty

MHR **MAC240DDF**



BE

24 IN. DRUM FAN

- 0.17HP
- 220 watts
- 1.96 amp
- 3 blade
- 2 speed
- Wheels
- 7,700 max CFM

BEP **FP24**



MASTER

20 IN. OMNI FAN

- Three-speed high-velocity motor
- Up to 6,000 CFM airflow
- 1/5 HP motor
- Versatile Omni design allows airflow in any direction
- 9 Ft. power cord
- 1-year limited warranty

MHR **MAC200DDF**



MASTER

18 IN. WALL MOUNT FAN

- Three-speed high-velocity motor
- Up to 6,000 CFM airflow
- 1/5 HP motor
- Sturdy design mounts easily to a wall or ceiling
- 12 Ft. power cord
- 1-year limited warranty

MHR **MAC18WDDF**



MASTER

30 IN. HIGH-VELOCITY PEDESTAL FAN

- Two speed settings
- Up to 8,500 CFM airflow
- 1/3 HP industrial motor
- Telescoping adjustable-height post (adjusts 65 in. to 80 in.)
- Swivel head for airflow control
- 12 Ft. power cord
- 1-year limited warranty

MHR **MAC30PDDF**



BE

30 IN. PEDESTAL FAN

- 0.2HP
- 226 watts
- 1.9 amp
- 3 blade
- Oscillating
- 3 speed
- 8750 CFM

BEP **FP30**



MASTER

INDUSTRIAL MINI FAN BLOWER/DRYER

- Up to 300 CFM airflow
- 1/12 HP motor
- 1 Speed setting
- Easy lift handle
- Moisture resistant housing

MHR **MAC-700-DR**



MASTER

INDUSTRIAL FAN BLOWER/DRYER

- Up to 1,850 CFM airflow
- 1/2 HP motor
- 3 Speed settings
- Easy lift handle
- Moisture resistant housing

MHR **MAC-701-DR**



MASTER

STEEL FAN VENTILATORS

8 in. Steel Fan Ventilator

- Up to 1,000 CFM airflow
- 1/8 HP motor
- 1 Speed setting
- On/Off power switch
- Cable & plug included
- Heavy-duty steel construction

MHR **MAC-708-SF**



MASTER

10 IN. STEEL FAN VENTILATOR

- Up to 1,650 CFM airflow
- 1/6 HP motor
- 1 Speed setting
- On/Off power switch
- Cable & plug included
- Heavy-duty steel construction

MHR **MAC-710-SF**



MASTER

12 IN. STEEL FAN VENTILATOR

- Up to 2,050 CFM airflow
- 1/2 HP motor
- 1 Speed setting
- On/Off power switch
- Cable & plug included
- Heavy-duty steel construction

MHR **MAC-712-SF**



MASTER

DUCTING

- 16 ft. Long
- PVC fabric
- Fire resistant
- Super strong wire
- Heat sealed seams
- Works from -18°F to 185°F

MHR **MAC-008-FD** 8 in. Diameter
MHR **MAC-010-FD** 10 in. Diameter
MHR **MAC-012-FD** 12 in. Diameter



HIGH-VOLUME, LOW-SPEED (HVLS) INDUSTRIAL CEILING FANS

- MacroAir fans from EnergyLogic are the only UL Certified fan on the market.
- Our fans will keep you up to 10 degrees cooler all summer long by doing the job of six ordinary ceiling fans.
- Our fans can reduce your energy expenses by up to 30% during both summer and winter.
- In the winter, the fan is able to be reversed from the controller panel to redistribute warm air trapped on the ceiling.
- MacroAir fans feature a direct-drive motor that is sleek and silent, perfect for stylish interiors, yet tough enough to work outdoors.
- Our fans are made by the inventor of HVLS fans, and the only manufacturer to offer a 24 ft. fan featuring a direct drive motor.
- The industry's most comprehensive, longest warranty perfect for the self-installers.
- Thanks to their lightweight, innovative drive system and overall design, MacroAir fans are the most energy efficient and longest lasting of any HVLS fan.
- Optional downrods available from 2 to 10 feet for custom solutions.

energylogic™
Where There's Energy, There's Opportunity™

AIRVOLUTION MODEL 370 CEILING FAN



- 6 Blade HVLS Fan perfect for smaller spaces with lower ceilings.
- Available in 110V - 220V +/-5% Single Phase
- Includes: Fan, Mounting Bracket, Variable Speed Digital Touch Screen Controller, 50 ft. CAT5 Cable

Item No.	Voltage	Blade Dia.	Horsepower	Hanging Weight	RPM	Power Usage	CFM	Max. Affected Area
EL **06000875**	110V-220V	12 ft.	.25 HP	86 lbs.	66	.14 kW	54,000 CFM	3,480 ft.²
EL **06000873**	110V-220V	10 ft.	.25 HP	81 lbs.	101	.25 kW	52,000 CFM	2,670 ft.²
EL **06000871**	110V-220V	8 ft.	.25 HP	74 lbs.	146	.32 kW	40,000 CFM	2,160 ft.²
EL **06000869**	110V-220V	6 ft.	.25 HP	69 lbs.	151	.11 kW	18,000 CFM	1,300 ft.²

AIRVOLUTION D3 MODEL 430 CEILING FAN



- 3 Blade HVLS Fan perfect for large spaces that need broad air distribution such as auto shops, gyms, and agricultural applications.
- Available in 208V-240V +/-5% Single Phase and Three Phase
- Includes: Fan, I Beam Mounting Hardware, 100 ft. CAT5 Cable or Analog Controller with 12 Year Warranty

Item No.	Voltage	Blade Dia.	Horsepower	Hanging Weight	RPM	Power Usage	CFM	Max. Affected Area
EL **06000953**	208V-240V	24 ft.	1.05 HP	121 lbs.	63	.81 kW	248,000 CFM	17,000 ft.²
EL **06000952**	208V-240V	20 ft.	1.05 HP	112 lbs.	81	.78 kW	211,000 CFM	15,400 ft.²
EL **06000951**	208V-240V	18 ft.	1.05 HP	108 lbs.	87	.61 kW	166,000 CFM	12,600 ft.²
EL **06000950**	208V-240V	16 ft.	1.05 HP	103 lbs.	91	.43 kW	125,000 CFM	9,600 ft.²
EL **06000949**	208V-240V	14 ft.	1.05 HP	99 lbs.	118	.59 kW	117,000 CFM	8,900 ft.²
EL **06000948**	208V-240V	12 ft.	1.05 HP	95 lbs.	135	.51 kW	84,000 CFM	6,700 ft.²

AIRVOLUTION D MODEL 550 CEILING FAN



- 6 Blade HVLS Fan that is ideal for larger locations such as auto shops, gyms, and agricultural applications.
- Available in 120V - 277V +/-5% Single Phase; High Voltage 380V-600V +/ 5% Single and Three Phase
- Includes: Fan, I Beam Mounting Hardware, Variable Speed Digital Touch Screen Controller, 100 ft. CAT5 Cable

Item No.	Voltage	Blade Dia.	Horsepower	Hanging Weight	RPM	Power Usage	CFM	Max. Affected Area
EL **06000888**	380V-600V	18 ft.	1.05 HP	172 lbs.	74	.90 kW	181,000 CFM	15,000 ft.²
EL **06000887**	120V-277V	18 ft.	1.05 HP	172 lbs.	74	.90 kW	181,000 CFM	15,000 ft.²
EL **06000886**	380V-600V	16 ft.	1.05 HP	164 lbs.	90	1.07 kW	158,000 CFM	13,000 ft.²
EL **06000885**	120V-277V	16 ft.	1.05 HP	164 lbs.	90	1.07 kW	158,000 CFM	13,000 ft.²
EL **06000884**	380V-600V	14 ft.	1.05 HP	155 lbs.	110	.89 kW	132,000 CFM	11,000 ft.²
EL **06000883**	120V-277V	14 ft.	1.05 HP	155 lbs.	110	.89 kW	132,000 CFM	11,000 ft.²
EL **06000882**	380V-600V	12 ft.	1.05 HP	146 lbs.	137	.92 kW	106,000 CFM	8,800 ft.²
EL **06000881**	120V-277V	12 ft.	1.05 HP	146 lbs.	137	.92 kW	106,000 CFM	8,800 ft.²
EL **06000880**	380V-600V	10 ft.	1.05 HP	137 lbs.	170	.85 kW	84,000 CFM	6,600 ft.²
EL **06000879**	120V-277V	10 ft.	1.05 HP	137 lbs.	170	.85 kW	84,000 CFM	6,600 ft.²
EL **06000878**	380V-600V	8 ft.	1.05 HP	128 lbs.	220	.73 kW	53,000 CFM	4,000 ft.²
EL **06000877**	120V-277V	8 ft.	1.05 HP	128 lbs.	220	.73 kW	53,000 CFM	4,000 ft.²

AIRVOLUTION D MODEL 780 CEILING FAN



- 6 Blade HVLS Fan perfect for extra-large spaces such as warehouses, hangars, airports, and stadiums.
- Available in 208V - 277V +/-5%Single and Three Phase; High Voltage 380V-600V +/- 5% Single and Three Phase
- Includes: Fan, I Beam Mounting Hardware, Variable Speed Digital Touch Screen Controller, 100 ft. CAT5 Cable

Item No.	Voltage	Blade Dia.	Horsepower	Hanging Weight	RPM	Power Usage	CFM	Max. Affected Area
EL **06000892**	380V-600V	24 ft.	2.1 HP	229 lbs.	64	1.55 kW	346,000 CFM	22,000 ft.²
EL **06000891**	208V-277V	24 ft.	2.1 HP	229 lbs.	64	1.55 kW	346,000 CFM	22,000 ft.²
EL **06000890**	380V-600V	20 ft.	2.1 HP	211 lbs.	75	1.18 kW	250,000 CFM	20,000 ft.²
EL **06000889**	208V-277V	20 ft.	2.1 HP	211 lbs.	75	1.18 kW	250,000 CFM	20,000 ft.²

AIR COMPRESSORS & ACCESSORIES

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NAPA Air Compressors

ROTARY SCREW AIR COMPRESSORS







Scan to go to the Rotary Compressor Page at NAPAAirCompressors.com

One year warranty standard, 5 year warranty available with site inspection. Typical site inspection fee is $350.00.



The Heart Of The Compressor - Our rotary screw air ends operate more reliably and are much quieter than standard piston compressors

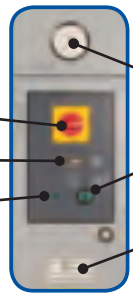


Drive Motor – We only use top of the line drive motors from WEG and Siemens

Whisper Quiet - Quiet operation reduces worker fatigue and increases installation possibilities



Easy to Operate



5-15 HP ROTARY SCREW AIR COMPRESSORS

The Quiet Power Rotary Is Perfect For Your Body Shop's Air Needs

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Weight lbs.	Dimensions L	W	H
NAC **QP-05501T**	5	(1) 230	50	17	150	60 gal / Horizontal	485	56	22	50
NAC **QP-05501TD**	5	(1) 230	50	17	150	60 gal / Horizontal	565	56	22	50
NAC **QP-05503T**	5	(3) 208, 230, 460	30(230V) 15(460V)	17	150	60 gal / Horizontal	485	56	22	50
NAC **QP-05503TD**	5	(3) 208, 230, 460	30(230V) 15(460V)	17	150	60 gal / Horizontal	565	56	22	50
NAC **QP-07501T**	7.5	(1) 230	70	21	150	60 gal / Horizontal	490	56	22	50
NAC **QP-07501TD**	7.5	(1) 230	70	21	150	60 gal / Horizontal	570	56	22	50
NAC **QP-07503T**	7.5	(3) 208, 230, 460	40(230V) 20(460V)	21	150	60 gal / Horizontal	490	56	22	50
NAC **QP-07503TD**	7.5	(3) 208, 230, 460	40(230V) 20(460V)	21	150	60 gal / Horizontal	570	56	22	50
NAC **QP-10253T**	10	(3) 208, 230, 460	60(230V) 30(460V)	37	125	120 gal / Horizontal	845	73	24	58
NAC **QP-10253TD**	10	(3) 208, 230, 460	60(230V) 30(460V)	37	125	120 gal / Horizontal	920	73	24	58
NAC **QP-10503T**	10	(3) 208, 230, 460	60(230V) 30(460V)	33	150	120 gal / Horizontal	845	73	24	58
NAC **QP-10503TD**	10	(3) 208, 230, 460	60(230V) 30(460V)	33	150	120 gal / Horizontal	920	73	24	58
NAC **QP-15253T**	15	(3) 208, 230, 460	80(230V) 40(460V)	52	125	120 gal / Horizontal	885	73	24	58
NAC **QP-15253TD**	15	(3) 208, 230, 460	80(230V) 40(460V)	52	125	120 gal / Horizontal	960	73	24	58
NAC **QP-15503T**	15	(3) 208, 230, 460	80(230V) 40(460V)	47	150	120 gal / Horizontal	885	73	24	58
NAC **QP-15503TD**	15	(3) 208, 230, 460	80(230V) 40(460V)	47	150	120 gal / Horizontal	960	73	24	58

1. 230v single phase models available in 5 and 7.5 horsepower.
2. 5-15 tri-voltage 3-phase motors and starters can be installed in 208, 230, 460 power supply.
3. Shipped with factory fill of lubricant suitable for 4,000 hours operation in clean environment.

QUIET POWER 5-15 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

Item No.	Description
NAC **2200902300**	Service Kit for QP Rotary 5-7.5 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **2200902356**	Service Kit for QP Rotary 10-15 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **2200902301**	Service Kit for QP Rotary 5-7.5 HP. Includes Air Filter, Oil Filter and separator.(4000 hours or 2 years)
NAC **2200902354**	Service Kit for QP Rotary 10-15 HP. Includes Air Filter, Oil Filter and separator. (4,000 hours or 2 years)



NAC **1312100549**

AIR FILTER
Air Filters for QP Rotary 10-15 HP



NAC **6211473750**

Item No.	Description
NAC **6211473750**	Air Filter for QP Rotary 5-7.5 HP
NAC **6211473950**	Air Filter for QP Rotary 10-15 HP

Specifications subject to change without notice. Units may not be exactly as pictured.m www.NAPAAirCompressors.com

NAPA Air Compressors

ROTARY SCREW AIR COMPRESSORS, CONTINUED

When You Need Clean, Dry, Abundant Compressed Air, INVEST in the BEST

Ideal for automotive repair and body shops, NAPA® rotary screw compressors are built to provide reliable and efficient compressed air in a compact design.



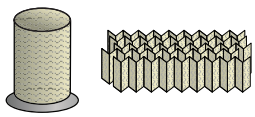




One year warranty standard, 5 year warranty available with site inspection. Typical site inspection fee is $350.00.

Scan to go to the Rotary Compressor Page at NAPAAirCompressors.com

High Efficiency Air Filter - Superior to the competition, the Quiet Rotary Power 20-30 uses a two stage encapsulated 2 micron filter that ensures oil quality, reduces operating costs and improves compressor life



Clean Air - The Air/Oil separation system is designed to provide low residual oil content (3 ppm) for the air leaving the compressor and utilizes quick change, spin-on separator & oil filters



High Efficiency Coolers – Coolers have been especially sized to the maximum temperatures of both air and oil fluids for higher performance and to increase compressor longevity



Ergonomic Design - Designed for easy transport and minimum installation time, our on tank with dryer provides a complete compressed air system with the smallest possible footprint



20-30 HP ROTARY SCREW AIR COMPRESSORS

The Industry Standard, Designed To Provide Continuous Clean Air

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max* PSI	Tank Size/Type	Weight lbs.	Dimensions L	W	H
NAC **QP-20253B**	20	(3) 208, 230, 460	110(230V) 60(460V)	80	125	N/A	781	47	32	48
NAC **QP-20253T**	20	(3) 208, 230, 460	110(230V) 60(460V)	80	125	120 gal / Horizontal	1,204	71	32	73
NAC **QP-20253TD**	20	(3) 208, 230, 460	110(230V) 60(460V)	80	125	120 gal / Horizontal	1,301	71	32	73
NAC **QP-25253B**	25	(3) 208, 230, 460	110(230V) 70(460V)	100	125	N/A	825	47	32	48
NAC **QP-25253T**	25	(3) 208, 230, 460	110(230V) 70(460V)	100	125	120 gal / Horizontal	1,248	71	32	73
NAC **QP-25253TD**	25	(3) 208, 230, 460	110(230V) 70(460V)	100	125	120 gal / Horizontal	1,345	71	32	73
NAC **QP-30253B**	30	(3) 208, 230, 460	110(230V) 80(460V)	117	125	N/A	860	47	32	48
NAC **QP-30253T**	30	(3) 208, 230, 460	110(230V) 80(460V)	117	125	120 gal / Horizontal	1,283	71	32	73
NAC **QP-30253TD**	30	(3) 208, 230, 460	110(230V) 80(460V)	117	125	120 gal / Horizontal	1,380	71	32	73

**** Specify Max Pressure Setting. All 20, 25 & 30 HP compressors are set to a standard max PSI of 125. If an alternate PSI is required please select the corresponding pressure change kit listed in the QP Pressure Conversion Kit Table.***

QP 20-30 HP PRESSURE CONVERSION KITS

Model / Item No.	Description	HP	ACFM
QP 20 CONVERSION KIT			
NAC **8092330201**	125 psi to 100 psi	20	86
NAC **8092330219**	125 psi to 150 psi	20	74
NAC **8092330268**	125 psi to 175 psi	20	59
QP 25 CONVERSION KIT			
NAC **8092330227**	125 psi to 100 psi	25	108
NAC **8092330235**	125 psi to 150 psi	25	89
NAC **8092330276**	125 psi to 175 psi	25	78
QRS 30 CONVERSION KIT			
NAC **8092330243**	125 psi to 100 psi	30	130
NAC **8092330250**	125 psi to 150 psi	30	103
NAC **8092330284**	125 psi to 175 psi	30	91



NAC **62290292000**

QUIET POWER 20-30 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

Item No.	Description
NAC **6229029200**	Filter Kit for QP Rotary 20-25 HP, includes air filter, oil filter and separator (4000 hour)
NAC **6229029300**	Filter Kit for QP Rotary 30 HP, includes air filter, oil filter and separator (4000 hour)
NAC **6229030400**	Filter Kit for QP Rotary 20-30 HP, includes air and oil filter (2000 hour)
NAC **6229034000**	Filter Kit for QP Rotary 20-25 HP, includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)
NAC **6229034200**	Filter kit for QP Rotary 30 HP, includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)

Specifications subject to change without notice. Units may not be exactly as pictured.m www.NAPAAirCompressors.com

NAPA Air Compressors

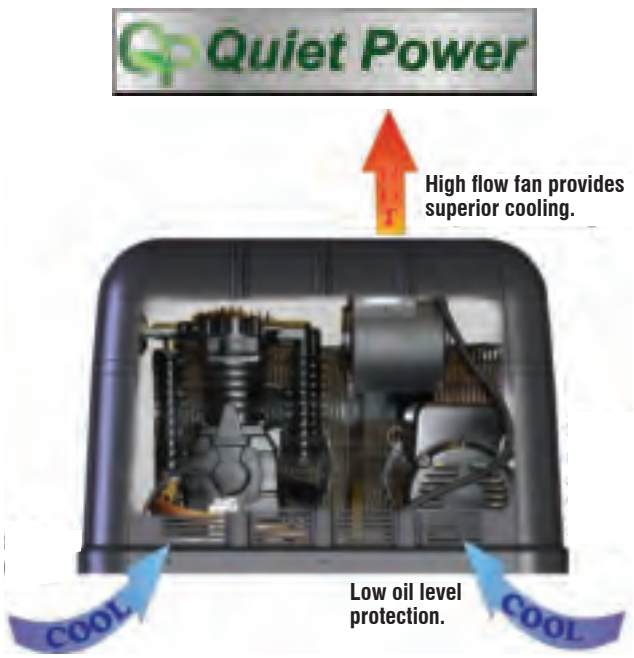
QP - QUIET POWER 5 & 7.5 HP AIR COMPRESSORS

Quiet Compressed Air System

Ideal for work environments where space is at a premium. The QP Compressors are built to provide the performance you have come to trust in a new extremely quiet package that can be installed in the work area. A piston air compressor with the noise level of a rotary screw provides exceptional value.

Features

- Low Sound Enclosure
- Low Oil Level Protection
- Automatic Tank Drain
- Magnetic Starter
- Integrated Aftercooler
- Cast Iron Cylinder
- 80 Gallon Vertical ASME/CRN Tank
- 100% Factory Tested at Full Pressure
- High Temperature Shut Down





Scan to go to the Quiet Power Piston page at NAPAAirCompressors.com

High strength ABS enclosure and heat resistant foam offers superior sound reduction.



2 FULL YEAR WARRANTY

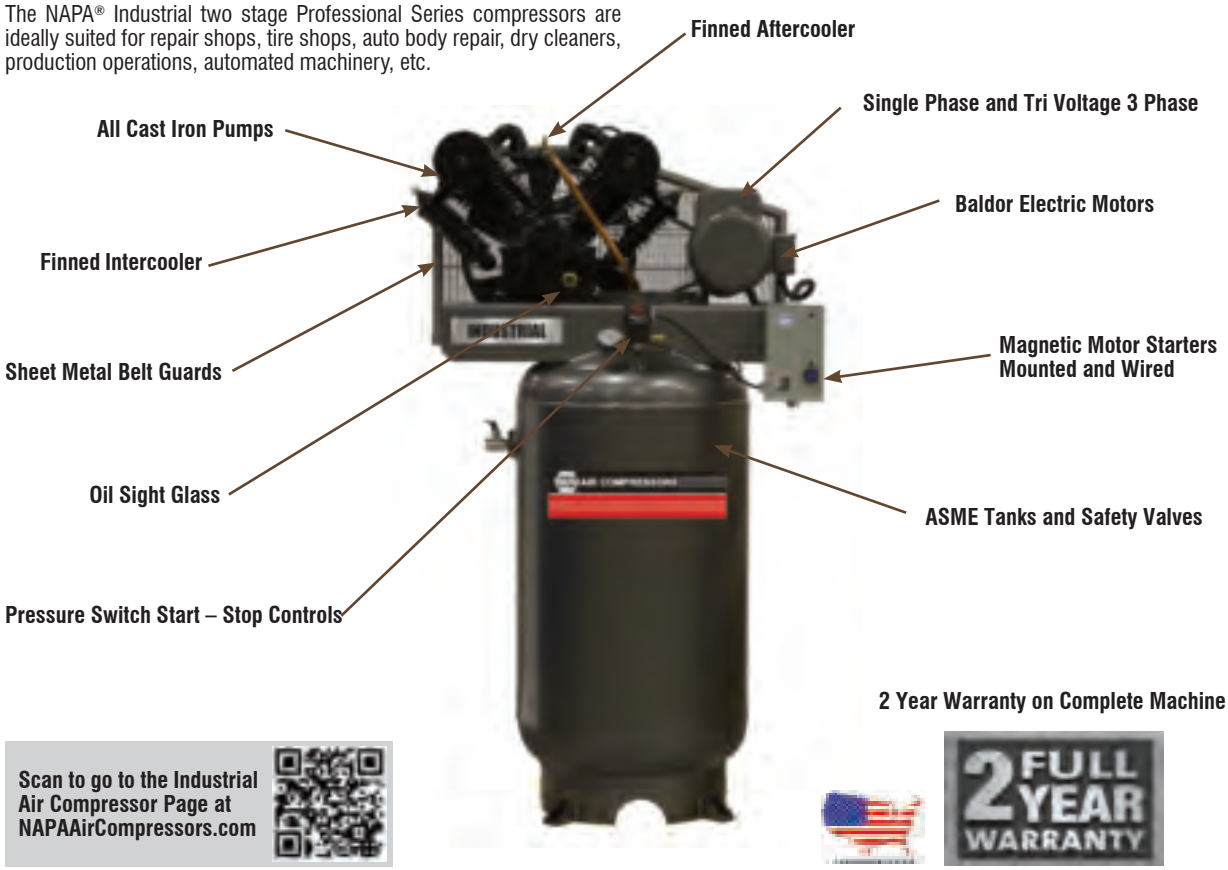
Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **QP-581VAT**	5.0	(1) 208-230	40	16.6	175	80 gal / Vertical	2	527	38	24	80
NAC **QP-583VBT**	5.0	(3) 208-230	30	16.6	175	80 gal / Vertical	2	527	38	24	80
NAC **QP-7581VAT**	7.5	(1) 208-230	60	22.3	175	80 gal / Vertical	2	527	38	24	80
NAC **QP-7583VBT**	7.5	(3) 208-230	40	22.3	175	80 gal / Vertical	2	527	38	24	80

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

THE PROFESSIONAL SERIES INDUSTRIAL TWO-STAGE AIR COMPRESSOR

The NAPA® Industrial two stage Professional Series compressors are ideally suited for repair shops, tire shops, auto body repair, dry cleaners, production operations, automated machinery, etc.



2 Year Warranty on Complete Machine

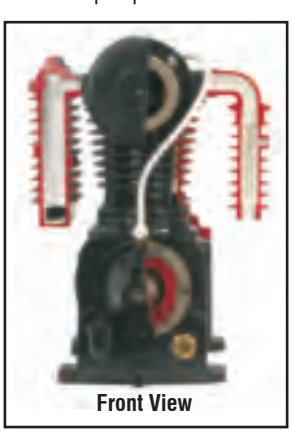
Scan to go to the Industrial Air Compressor Page at NAPAAirCompressors.com

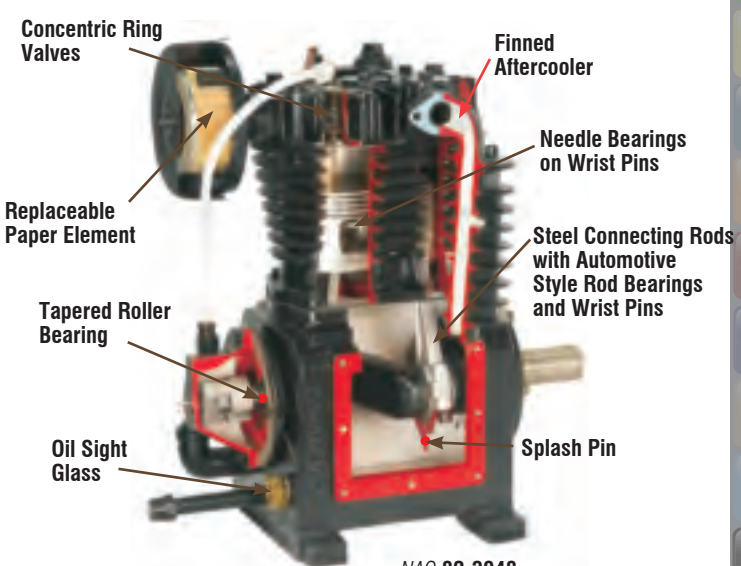
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NAPA® Industrial Air Compressor pumps are built to handle even the toughest job. With our All Cast Iron design and low RPM, these pumps will provide exceptional service and longevity. Two cylinder 5 HP and four cylinder 7.5-10 HP pumps are available.

Features

- All Cast Iron Design
- Finned Intercooler and Aftercooler
- Replaceable Ring Valves
- Automotive Style Connecting Rods and Rod Bearings
- Easy to View Oil Sight Glass
- Balanced Crankshaft
- Completely Rebuildable


Front View



NAC **82-3048**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

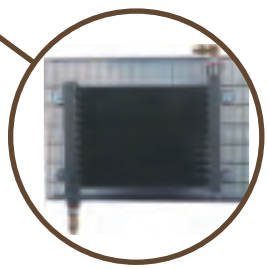
NAPA Air Compressors

INDUSTRIAL



Low Oil Level Switch





Beltguard Aftercooler



Automatic Tank Drain

NAC **82-378VATFF**

2 FULL YEAR WARRANTY

Scan to go to the Industrial Full Featured Compressor Page at NAPAAirCompressors.com

PROFESSIONAL SERIES INDUSTRIAL FULL FEATURE TWO-STAGE AIR COMPRESSORS

NAPA® Industrial Compressors are now available as Fully Featured models. Along with heavy duty, cast iron, slow turning pumps, Baldor electric motors, heavy duty sheet metal beltguards, mounted and wired Magnetic Starters, standard on the Industrial units, the Fully Featured models also include Low Oil Level Switch, Beltguard Aftercooler, and Automatic Tank Drain. All NAPA® Industrial Air Compressors come with a full 2 Year Warranty.

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Wt. lbs.	Dimensions L	W	H
NAC **82-348VATFF**	5.0	(1) 208-230	40	16	175	80 gal / Vertical	800	2	580	41	24	73
NAC **82-348VBTFF**	5.0	(3) 208-230	30	16	175	80 gal / Vertical	800	2	575	41	24	73
NAC **82-348VBTF460**	5.0	(3) 460	15	16	175	80 gal / Vertical	800	2	575	41	24	73
NAC **82-378VATFF**	7.5	(1) 208-230	60	24	175	80 gal / Vertical	600	4	684	41	24	74
NAC **82-378VBTFF**	7.5	(3) 208-230	40	24	175	80 gal / Vertical	600	4	674	41	24	74
NAC **82-378VBTF460**	7.5	(3) 460	20	24	175	80 gal / Vertical	600	4	674	41	24	74
NAC **82-309HBTFF**	10	(3) 208-230	60	32	175	120 gal / Horizontal	800	4	790	75	27	51
NAC **82-309HBTF460**	10	(3) 460	30	32	175	120 gal / Horizontal	800	4	790	75	27	51
NAC **82-309VBTFF**	10	(3) 208-230	60	32	175	120 gal / Vertical	800	4	938	40	30	75
NAC **82-309VBTF460**	10	(3) 460	30	32	175	120 gal / Vertical	800	4	938	40	30	75

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

INDUSTRIAL



NAC **82-348VAT**

2 FULL YEAR WARRANTY



NAC **82-348HAT**

5 HP AIR COMPRESSORS

- Heavy Duty Cast Iron Pump
- Low RPM (800)
- Disc Valves
- Baldor Motor
- Heavy Duty Sheet Metal Beltguard
- Starter Mounted & Wired

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **82-348HAT**	5.0	(1) 208-230	40	16	175	80 gal / Horizontal	800	2	584	71	25	46
NAC **82-348HBT**	5.0	(3) 208-230	30	16	175	80 gal / Horizontal	800	2	580	71	25	46
NAC **82-348HBT-460**	5.0	(3) 460	15	16	175	80 gal / Horizontal	800	2	580	71	25	46
NAC **82-348VAT**	5.0	(1) 208-230	40	16	175	80 gal / Vertical	800	2	582	41	24	73
NAC **82-348VBT**	5.0	(3) 208-230	30	16	175	80 gal / Vertical	800	2	578	41	24	73
NAC **82-348VBT-460**	5.0	(3) 460	15	16	175	80 gal / Vertical	800	2	578	41	24	73
NAC **82-349HAT**	5.0	(1) 208-230	40	16	175	120 gal / Horizontal	800	2	680	75	27	51
NAC **82-349HBT**	5.0	(3) 208-230	30	16	175	120 gal / Horizontal	800	2	670	75	27	51
NAC **82-349HBT-460**	5.0	(3) 460	15	16	175	120 gal / Horizontal	800	2	670	75	27	51

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

INDUSTRIAL

2 FULL YEAR WARRANTY





7.5 HP AIR COMPRESSORS

- Heavy Duty Cast Iron Pump
- Low RPM (600)
- Disc Valves
- Baldor Motor
- Heavy Duty Sheet Metal Beltguard
- Starter Mounted & Wired

NAC **82-378VAT**

NAC **82-378HAT**

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl	Weight lbs.	Dimensions L	W	H
NAC **82-378HAT**	7.5	(1) 208-230	60	24	175	80 gal / Horizontal	600	4	664	71	25	44
NAC **82-378HBT**	7.5	(3) 208-230	40	24	175	80 gal / Horizontal	600	4	590	71	25	44
NAC **82-378HBT460**	7.5	(3) 460	20	24	175	80 gal / Horizontal	600	4	590	71	25	44
NAC **82-378VAT**	7.5	(1) 208-230	60	24	175	80 gal / Vertical	600	4	665	41	24	71
NAC **82-378VBT**	7.5	(3) 208-230	40	24	175	80 gal / Vertical	600	4	650	41	24	71
NAC **82-378VBT-460**	7.5	(3) 460	20	24	175	80 gal / Vertical	600	4	650	41	24	71
NAC **82-379HAT**	7.5	(1) 208-230	60	24	175	120 gal / Horizontal	600	4	760	75	27	49
NAC **82-379HBT**	7.5	(3) 208-230	40	24	175	120 gal / Horizontal	600	4	750	75	27	49
NAC **82-379HBT-460**	7.5	(3) 460	20	24	175	120 gal / Horizontal	600	4	750	75	27	49

2 FULL YEAR WARRANTY





10 HP AIR COMPRESSORS

- Heavy Duty Cast Iron Pump
- Low RPM (800)
- Disc Valves
- Heavy Duty Cast Iron Pump
- Low RPM (800)
- Disc Valve

NAC **82-308VBT**

NAC **82-308HBT**

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **82-308HBT**	10	(3) 208-230	60	32	175	80 gal / Horizontal	800	4	714	71	25	44
NAC **82-308HBT-460**	10	(3) 460	30	32	175	80 gal / Horizontal	800	4	714	71	25	44
NAC **82-308VBT**	10	(3) 208-230	60	32	175	80 gal / Vertical	800	4	700	41	24	71
NAC **82-308VBT-460**	10	(3) 460	30	32	175	80 gal / Vertical	800	4	700	41	24	71
NAC **82-309HBT**	10	(3) 208-230	60	32	175	120 gal / Horizontal	800	4	818	75	27	49
NAC **82-309HBT-460**	10	(3) 460	30	32	175	120 gal / Horizontal	800	4	818	75	27	49
NAC **82-309VBT**	10	(3) 208-230	60	32	175	120 gal / Vertical	800	4	858	40	30	74
NAC **82-309VBT-460**	10	(3) 460	30	32	175	120 gal / Vertical	800	4	858	40	30	74

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

INDUSTRIAL

2 FULL YEAR WARRANTY



NAC **82-2309HBT**

DUPLEX AIR COMPRESSORS

- Heavy Duty Cast Iron Pumps
- Up to 48 CFM on Single Phase / 64 on Three Phase
- Single Pump Operation When Air Demand is Low, Providing Energy Savings
- Magnetic Starters and Alternator Mounted and Wired
- Two Pumps and Motors Provide Built in Back Up During Repair or Maintenance
- 208-230 Single Phase or Tri-Voltage Three Phase Baldor Motors
- Disc Valves
- Heavy Duty Sheet Metal Beltguards
- ASME Tank and Safety Valves

Industrial Duplex Compressor page at NAPAAirCompressors.com

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **82-2349HAT**	(2) 5.0	(1) 208-230	60	32	175	120 gal / Horizontal	800	2	1,068	79	27	53
NAC **82-2349HBT**	(2) 5.0	(3) 208-230	45	32	175	120 gal / Horizontal	800	2	1,060	79	27	53
NAC **82-2349HBT-460**	(2) 5.0	(3) 460	25	32	175	120 gal / Horizontal	800	2	1,060	79	27	53
NAC **82-2379HAT**	(2) 7.5	(1) 208-230	90	48	175	120 gal / Horizontal	600	4	1,182	79	27	51
NAC **82-2379HBT**	(2) 7.5	(3) 208-230	60	48	175	120 gal / Horizontal	600	4	1,154	79	27	51
NAC **82-2379HBT-460**	(2) 7.5	(3) 460	30	48	175	120 gal / Horizontal	600	4	1,154	79	27	51
NAC **82-2309HBT**	(2) 10	(3) 208-230	90	64	175	120 gal / Horizontal	800	4	1,286	79	27	51
NAC **82-2309HBT-460**	(2) 10	(3) 460	45	64	175	120 gal / Horizontal	800	4	1,286	79	27	51
NAC **82-2300HBT**	(2) 10	(3) 208-230	90	64	175	200 gal / Horizontal	800	4	1,440	82	30	58
NAC **82-2300HBT-460**	(2) 10	(3) 460	4	64	175	200 gal / Horizontal	800	4	1,440	82	30	58

Industrial Options

Item No.	Description
NAC **0000052001**	Low Oil Level Switch
NAC **0000052038**	Low Oil Level Switch (Duplex)
NAC **0000052023**	Auto Drain - Electric Timed
NAC **0000052024**	Auto Drain - Pressure Actuated
NAC **0000052042**	Belt Guard Aftercooler (5-7.5 HP)
NAC **0000052043**	Belt Guard Aftercooler (10 HP)
NAC **0000052040**	Belt Guard Aftercooler (Duplex)
NAC **1310710616**	Anti-Vibration Pad (Each)

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

INDUSTRIAL

2 FULL YEAR WARRANTY



NAC **82-1633GT**



NAC **82-1033GTH**

GAS DRIVE AIR COMPRESSORS

- Heavy Duty Cast Iron Pump
- Low RPM
- Disc Valves
- Pilot Unloader / Idle Control
- Heavy Duty Cast Iron Pump
- Electric and Recoil Start

Item No.	Engine CC/HP	Engine	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **82-1123GTV**	305/10	B&S Vanguard	16	175	30 gal / Horizontal	800	2	475	45	21	42
NAC **82-1133GTV**	342 / 11	B&S Vanguard	16	175	30 gal / Horizontal	800	2	470	45	21	41
NAC **82-1033GTH**	342 / 11	Honda	16	175	30 gal / Horizontal	800	2	482	45	21	41
NAC **82-1333GTH**	390/13	Honda	21	175	30 gal / Horizontal	900	2	490	45	21	42
NAC **82-1633GT**	480 / 16	B&S Vanguard	32	175	30 gal / Horizontal	800	4	586	48	22	43

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Chicago Pneumatic



IRON SERIES AIR COMPRESSORS

- All cast iron pumps
- Concentric ring valves
- Low RMP Pump
- Automotive style wrist pins and connecting rod bearings
- Tapered roller bearing on crankshaft
- Splash lubricated
- Baldor motor
- Start-stop pressure switch control
- High flow wire belt-guard
- 80 Gal. ASME / CRN

2 FULL YEAR WARRANTY

Item No.	Motor HP	(Phase) Voltage	Recommended Breaker Size	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **RCP-C7581VS**	7.5	(1) 208-230	60	23	175	80 gal / Vertical	900	2	480	37	24	72
NAC **RCP-C7583VS**	7.5	(3) 208-230	40	23	175	80 gal / Vertical	900	2	470	37	24	72
NAC* **RCP-C7581V	7.5	(1) 208-230	60	23	175	80 gal / Vertical	900	2	490	37	24	72
NAC* **RCP-C7583V	7.5	(3) 208-230	40	23	175	80 gal / Vertical	900	2	480	37	24	72

***Premium Models also include low oil level switch, beltguard aftercooler, and automatic tank drain.**

Specifications subject to change without notice. Units may not be exactly as pictured.

NAPA Air Compressors

THE PERFORMANCE SERIES TWO-STAGE DESIGN 175 PSI AIR COMPRESSORS

The NAPA® Performance two-stage piston compressor is designed for small to medium sized commercial applications including low volume body shops and service stations. When value and performance count, you can count on NAPA® Performance Air Compressors.

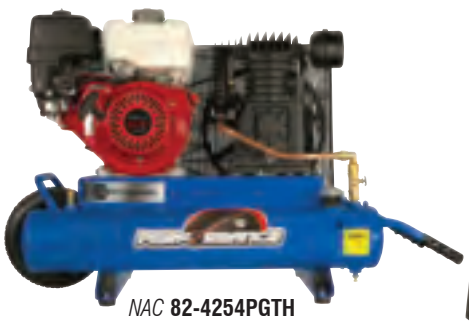


- Contractor, Service Truck, and Shop Compressor Models Available
- Assembled in USA
- 1 Year Warranty

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors





NAC **82-4254PGTH**

Scan to go to the Performance Portable and Truck Mount Air Compressor page at NAPAAirCompressors.com



NAC **82-808PGT**



NAC **82-1023GTH**



NAC **82-368VAT**



Scan to go to the Performance Electric Air Compressor page at NAPAAirCompressors.com

Item No.	Engine CC/HP	(Phase) Voltage	Engine	ACFM @ max PSI	Max PSI	Tank Size/Type	Pump RPM	Pump Cyl.	Weight lbs.	Dimensions L	W	H
Single Stage Gas												
NAC **82-4254PGT**	160 / 5.5	N/A	Briggs & Stratton	12.5	145	2 X 4 gal / Horizontal	1,355	2	242	45	23	28
NAC **82-4254PGTH**	160 / 5.5	N/A	Honda	12.5	145	2 X 4 gal / Horizontal	1,355	2	230	45	23	26
Two Stage Gas												
NAC **82-808PGT**	250 / 8	N/A	Briggs & Stratton	13.5	175	2 X 4 gal / Horizontal	1,280	2	248	45	23	28
NAC **82-808PGTH**	250 / 8	N/A	Honda	13.5	175	2 X 4 gal / Horizontal	1,280	2	228	45	23	29
NAC **82-823GT**	250 / 8	N/A	Briggs & Stratton	13.5	175	30 gal / Horizontal	1,280	2	328	44	19	38
NAC **82-823GTH**	250 / 8	N/A	Honda	13.5	175	30 gal / Horizontal	1,280	2	318	44	19	38
NAC **82-1023GT**	305 / 10	N/A	Briggs & Stratton	17.0	175	30 gal / Horizontal	1,065	2	364	44	19	45
NAC **82-1023GTH**	340 / 11	N/A	Honda	17.0	175	30 gal / Horizontal	1,065	2	392	44	19	45
Two-Stage Electric												
NAC **82-356VAT**	5.0	(1) 208-230	N/A	14	165	60 gal / Vertical	1,280	2	272	29	20	68
NAC **82-358VAT**	5.0	(1) 208-230	N/A	14	175	80 gal / Vertical	1,280	2	468	34	24	74
NAC **82-368VAT**	7.5	(1) 208-230*	N/A	20	175	80 gal / Vertical	1,200	2	466	34	24	74

*** Magnetic starter pre-mounted.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Ingersoll Rand

INGERSOLL RAND TWO-STAGE RECIPROCATING AIR COMPRESSORS

Ingersoll Rand, the world leader in air power, brings industrial-class, two-stage compressors to automotive applications. Featuring a cast-iron pump with splash lubrication for efficient operation and easy serviceability, this new range delivers non-stop performance and reliability for commercial or automotive service applications. Type 30 compressors have been designed to generate maximum air output at 175 psi, with more than 10,000 hours of durability.

VALUE PACKAGED MODELS

- 100% cast iron cylinder head with deep-groove directional cooling fins
- High-efficiency stainless steel valves
- Oversized industrial-grade bearings for extended pump life
- High-efficiency intercooler
- 100% cast iron pump
- High-efficiency inlet air filter with sound attenuation baffles
- Balanced pistons for maximized efficiency and mimimized vibration
- Oversized cast-iron balanced belt wheel to allow continuous-duty operation
- Two-year pump warranty with purchase of start-up kit+A7



IR **45465267**



IR **46818654**

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In)		
								L	W	H
IR **45464922**	5 HP Value Package, 60 gal. Vertical, 14.8 CFM, 175 PSI	2340L5-V	230-1	*IR* **32305880**	60 amp	1575	400	20	33	69
IR **45464930**			200-3		60 amp	1575	400	20	33	69
IR **45464955**			230-3-60		35 amp	1575	400	20	33	69
IR **45464963**			460-3-60		30 amp	1575	400	20	33	69
IR **45465010**	5 HP Value Package, 80 gal. Vertical, 14.8 CFM, 175 PSI	2340N5-V	230-3-60	*IR* **32305880**	35 amp	1575	475	24	33	69
IR **45464989**			230-1		60 amp	1575	475	24	33	69
IR **45465028**			460-3-60		30 amp	1575	475	24	33	69
IR **45464997**			200-3		60 amp	1575	475	24	33	69
IR **45465101**	5 HP, 80 gal., Vertical 2 Stage	2475N5-V	230-1	*IR* **32305880**	60 amp	1040	500	26	38	70
IR **45465135**			230-3-60		35 amp	1040	500	26	38	70
IR **45465143**			460-3-60		30 amp	1040	500	26	38	70
IR **45465119**			200-3		60 amp	1040	500	26	38	70
IR **45465432**	7.5 HP Value Package, 80 gal. Vertical, 25 CFM, 175 PSI	2475N7.5-V	230-3-60	*IR* **32305880**	60 amp	1500	500	26	38	70
IR **45465408**			230-1		80 amp	1500	500	26	38	70
IR **45465440**			460-3-60		35 amp	1500	500	26	38	70
IR **45465416**			200-3		80 amp	1500	500	26	38	70
IR **45465721**	10 HP, 120 gal., Horizontal 2 Stage	2545E10-V	230-3-60	*IR* **32305898**	80 amp	1050	835	72	30	56
IR **45465739**			460-3-60		40 amp	1050	835	72	30	56
IR **45465705**			200-3		100 amp	1050	835	72	30	56
IR **45465770**	10HP, 120 gal., Vertical 2 Stage	2545K10-V	230-3-60	*IR* **32305898**	80 amp	1050	835	44	32	82
IR **45465788**			460-3-60		40 amp	1050	835	44	32	82
IR **45465754**			200-3		100 amp	1050	835	44	32	82
IR **45466125**	15HP, 120 gal., Horizontal 2 Stage	7100E15-V	230-3-60	*IR* **32305898**	100 amp	1100	1035	72	30	56
IR **45466133**			460-3-60		60 amp	1100	1035	72	30	56
IR **45466109**			200-3		120 amp	1100	1035	72	30	56
Value Packaged Duplex Air Compressors										
IR **45465341**	2-Stage Recip Duplex 5HP 120 Horizontal gal.	2-2475E5-V	200-3-60	2 X *IR* **32305880**	100 amp	1040	1265	85	35	49
IR **45465358**			230-3-60		80 amp	1040	1265	85	35	49
IR **46818639**			460-3-60		60 amp	1040	1265	85	35	49
IR **45465648**	2-Stage Recip Duplex 7.5HP 120 Horizontal gal.	2-2475E7.5-V	200-3-60	2 X *IR* **32305880**	120 amp	1500	1265	85	35	49
IR **45465655**			230-3-60		100 amp	1500	1265	85	35	49
IR **46818654**			460-3-60		80 amp	1500	1265	85	35	49
IR **45466000**	2-Stage Recip Duplex 10HP 120 Horizontal gal.	2-2545E10-V	200-3-60	2 X *IR* **32305898**	180 amp	1050	1560	76	47	57
IR **45466018**			230-3-60		150 amp	1050	1560	76	47	57
IR **46818670**			460-3-60		80 amp	1050	1560	76	47	57

Ingersoll Rand

VALUE PLUS PACKAGED MODELS

For applications that demand a heavier-duty cycle. Step up to this enhanced version of our base package. It is ideal for light industry applications. The Value Plus Package comes factory-fitted with options for unmatched reliability in most diversified applications

- 100% Cast-Iron Pump for durability
- 100% Continuous Duty Rating
- Designed to run 24 hours a day
- Two-year pump warranty with purchase of IR start-up kit
- 175 Maximum PSI for greater storage capabilities
- Magnetic starter
- ASME rated Storage Tank
- Auto Start & Stop Control
- Electronic Drain Valve
- Air-cooled After-cooler
- Nation-wide Service Coverage

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In) L	W	H
IR **45465820**	10 HP Value Package, 120 gal. Horizontal, 35 CFM, 175 PSI	2545E10-VP	230-3-60	*IR* **32305898**	80 amp	1050	850	72.0	30.0	56.0
IR **45465838**			460-3-60		40 amp	1050	850	72.0	30.0	56.0
IR **45465804**			200-3		100 amp	1050	850	72.0	30.0	56.0
IR **45465879**	10 HP Value Package, 120 gal. Vertical, 35 CFM, 175 PSI	2545K10-VP	230-3-60	*IR* **32305898**	80 amp	1050	850	44.0	32.0	82.0
IR **45465887**			460-3-60		40 amp	1050	850	44.0	32.0	82.0
IR **45465853**			200-3		100 amp	1050	850	44.0	32.0	82.0

PREMIUM (FULL) PACKAGES

In addition to the features on our Value Packages, the Premium Package models include:

- Air-cooled aftercooler to help remove additional moisture
- Low oil protection switch to prevent pump from running dry
- Electronic drain valve- automatically drains water from compressor tank
- Magnetic motor starter

Item No.	Description	IR Model	Volts-Phase-Hertz	Start-Up Kit Model Needed	Breaker Size Needed	Pump Rpm	Weight	Dimensions (In) L	W	H
IR **45465226**	5 HP Premium Package, 80 gal. Vertical, 14.8 CFM, 175 PSI	2475N5-P	230-1	*IR* **32305880**	60 amp	1040	550	26.0	38.0	70.0
IR **45465234**			200-3		60 amp	1040	550	26.0	38.0	70.0
IR **45465259**			230-3-60		35 amp	1040	550	26.0	38.0	70.0
IR **45465267**			460-3-60		30 amp	1040	550	26.0	38.0	70.0
IR **45465556**	7.5 HP Premium Package, 80 gal. Vertical, 25 CFM, 175 PSI	2475N7.5-P	230-3-60	*IR* **32305880**	60 amp	1500	550	26.0	38.0	70.0
IR **45465523**			230-1		80 amp	1500	550	26.0	38.0	70.0
IR **45465564**			460-3-60		35 amp	1500	550	26.0	38.0	70.0
IR **45465531**			200-3		80 amp	1500	550	26.0	38.0	70.0
IR **45465929**	10 HP Premium Package, 120 gal. Horizontal, 35 CFM, 175 PSI	2545E10-P	230-3-60	*IR* **32305898**	80 amp	1050	850	72.0	30.0	56.0
IR **45465937**			460-3-60		40 amp	1050	850	72.0	30.0	56.0
IR **45465903**			200-3		100 amp	1050	850	72.0	30.0	56.0
IR **45465978**	10 HP Premium Package, 120 gal. Vertical, 35 CFM, 175 PSI	2545K10-P	230-3-60	*IR* **32305898**	80 amp	1050	850	44.0	32.0	82.0
IR **45465986**			460-3-60		40 amp	1050	850	44.0	32.0	82.0
IR **45465952**			200-3		100 amp	1050	850	44.0	32.0	82.0
IR **45466224**	15 HP Premium Package, 120 gal. Horizontal, 50 CFM, 175 PSI	7100E15-P	230-3-60	*IR* **32305898**	100 amp	1100	1050	72.0	30.0	56.0
IR **45466208**			200-3		120 amp	1100	1050	72.0	30.0	56.0
IR **45466232**			460-3-60		60 amp	1100	1050	72.0	30.0	56.0
Premium Packaged Duplex Compressors										
IR **45465374**	2-Stage Recip Duplex 5HP 120 Horizontal gal.	2-2475E5-P	200-3-60	**2 X** *IR* **32305880**	100 amp	1040	1300	85.0	35.0	49.0
IR **45465382**			230-3-60		80 amp	1040	1300	85.0	35.0	49.0
IR **46818647**			460-3-60		60 amp	1040	1300	85.0	35.0	49.0
IR **45465671**	2-Stage Recip Duplex 7.5HP 120 Horizontal gal.	2-2475E7.5-P	200-3-60	**2 X** *IR* **32305880**	120 amp	1500	1300	85.0	35.0	49.0
IR **45465689**			230-3-60		100 amp	1500	1300	85.0	35.0	49.0
IR **46818662**			460-3-60		80 amp	1500	1300	85.0	35.0	49.0
IR **45466034**	10 HP Two Stage Duplex Premium Package, 120 gal. Vertical, 70 CFM, 175 PSI	2-2545E10-P	200-3-60	**2 X** *IR* **32305898**	180 amp	1050	1600	76.0	47.0	57.0
IR **45466042**			230-3-60		150 amp	1050	1600	76.0	47.0	57.0
IR **46818688**			460-3-60		80 amp	1050	1600	76.0	47.0	57.0

Ingersoll Rand



IR **46821344**



IR **45466067**

TWO-STAGE GAS-POWERED AIR COMPRESSORS

Ingersoll Rand's two-stage gasoline engine driven air compressors are designed to provide compressed air where electric power is not readily available. They're used in fleet and field service applications, remote pneumatic applications and emergency production lines.

- Available with easy-starting Honda or Kohler engines
- Fuel-efficient idle control
- Advanced safety features including low oil level shutdown for gas engines

Benefits

- Maximum air power delivers the capacity to do the job right and in less time
- 100% continuous duty for the toughest applications
- Maximum discharge pressure of 175 psi
- Extended pump life
- Durable 100% cast-iron construction
- Built for over 15,000 hours of trouble-free use
- Reliable precision-engineered components
- Extended two-year warranty with use of Ingersoll Rand's All Season Select® synthetic lubricant

Item No.	Description	IR Model	Start-Up Kit Model Needed	Weight	Dimensions (In)		
					L	W	H
IR **46821344**	14 HP 30 gal. Horizontal Kohler Gas Drive, 25 CFM, 175 PSI	2475F14G	*IR* **46821567**	424	44.0	22.0	46.0
IR **45466067**	13 HP 30 gal. Horizontal Honda Gas Drive, 25 CFM, 175 PSI	2475F13GH	*IR* **32312936**	430	44.0	22.0	41.0

START-UP KITS FOR AIR COMPRESSORS

Start-up kits include all the parts needed to maintain your compressor for one year, plus the added protection of extended warranty coverage.

Includes

- All-Season Select® lubricant – a synthetic, all-temperature blend designed to increase efficiency, reduce wear and prevent carbon build-up
- Replacement filter elements
- Engine oil and filters are also included in kits for gas-driven compressors
- 2-Year extended warranty (pump only) based on use of All-Season Select® lubricant included in kit

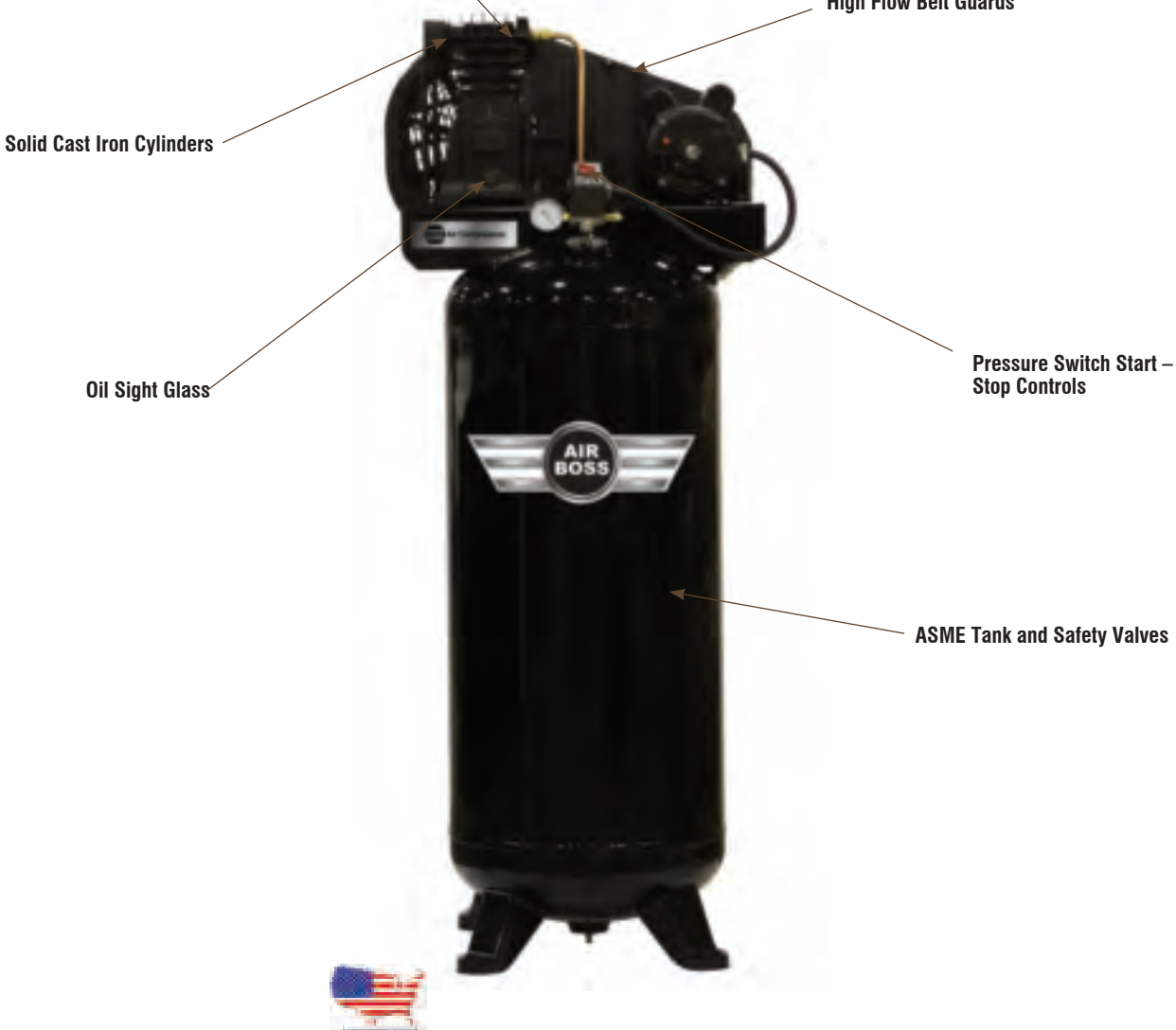
Item No.	Description
IR **32305880**	Electric Start-Up Kit, 2340, 2475
IR **32305898**	Electric Start-Up Kit, 2545, 7100, 2525N7.5-PS, 7100E10-PS
IR **32312936**	Gas Start-Up Kit, Kohler
IR **46821567**	Gas Start-Up Kit, Honda



IR **32305880**

NAPA Air Compressors

AIR BOSS SERIES SINGLE-STAGE AIR COMPRESSORS



- 20, 26 and 60 Gallon Models
- Assembled in USA
- 1 Year Warranty

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors







NAC **82-4252PAT**



NAC **82-4253PAT**



NAC **82-4276VAT**

Scan to go to the Air Boss Air Compressor page at NAPAAirCompressors.com

AIR BOSS SINGLE-STAGE AIR COMPRESSORS

Air Boss air compressors are ideal for home and light duty applications. Portable units and 60 gallon *NAC* **82-4256VAT** can be wired for 115 or 230V. Cast iron cylinders, oversized ball bearings, balanced crank shafts, steel valves allow for smooth operation and long life.

Item No.	Motor HP	(Phase) Voltage	ACFM @ 100 PSI	Max PSI	Tank Size/Type	Pump RPM	Recommended Breaker Size	Pump Cyl.	Weight lbs.	Dimensions L	W	H
NAC **82-4252PAT**	2.0	(1) 115*	7.1	135	20 gal / Horizontal	1,350	20	2	155	35	20	32
NAC **82-4253PAT**	2.0	(1) 115*	7.1	135	26 gal / Vertical	1,350	20	2	165	27	28	52
NAC **82-4256VAT**	2.0	(1) 115*	7.1	135	60 gal / Vertical	1,350	20	2	254	27	20	66
NAC **82-4276VAT**	3.5	(1) 230	12.4	135	60 gal / Vertical	1,285	30	2	261	27	20	66

*** Can be wired for 230V.**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

80-GALLON HI-FLO, SINGLE STAGE, CAST IRON AIR COMPRESSOR



Compressor Features

- High air flow, single stage - 14CFM@90 PSI
- Cast iron, three cylinder, oil lubricated
- One-piece cast iron crankcase
- Full cast iron cylinder body
- Durable Swedish stainless steel flex leaf valves
- Oil level sight glass
- Easily accessible oil fill
- 12" cast iron balanced flywheel
- Large intake filter/silencers
- Shipped with synthetic oil for optimum performance and long life
- Equipped with pressure gauge and on/off switch

Specifications

Tank Size: ..... 80 Gallon ASME*
Maximum Pressure: ..... 155 PSI
CFM @ 40 PSI: 16.1
CFM @ 90 PSI: 14.0
Voltage: ..... 240 Volt
Running HP: 4.7
Certifications: ..... UL & CSA
Dimensions: ..... 31.5" x 34.75" x 77"
Weight: ..... 354 lbs.
Warranty: ..... 2 Year Pump, 1 Year All Other Parts

PFP **PXCMLA4708065**

60-GALLON CAST IRON, OIL LUBRICATED, BELT DRIVE AIR COMPRESSOR



Compressor Features

- Cast iron, twin cylinder, oil lubricated
- One-piece cast iron crankcase
- Thermally stable cast iron cylinder body
- Aluminum head and valve plate
- Automotive style ball bearings
- Durable Swedish stainless steel reed valves
- Oil level sight glass
- Easily accessible oil fill
- 12" cast iron balanced flywheel
- Shipped with synthetic oil for optimum performance and long life
- Equipped with pressure gauge and on/off switch

Specifications

Tank Size: ..... 60 Gallon ASME*
Maximum Pressure: ..... 135 PSI
CFM @ 40 PSI: 13.4
CFM @ 90 PSI: 11.5
Voltage: ..... 240 Volt
Running HP: 3.7
Certifications: ..... UL & CSA
Dimensions: ..... 31" x 27" x 69.25"
Weight: ..... 247 lbs.
Warranty: ..... 2 Year Pump, 1 Year All Other Parts

PFP **PXCMLC3706056**

30-GALLON CAST IRON, OIL LUBRICATED AIR COMPRESSOR



Compressor Features

- Cast iron, V-twin cylinder, oil lubricated
- One-piece cast iron crankcase
- Thermally stable cast iron cylinder body
- Aluminum head and machined cast iron valve plate
- Automotive style ball bearings
- Durable stainless steel reed valves
- Oil level sight glass
- Easily accessible oil fill
- 10" cast iron balanced flywheel
- Fully assembled and equipped with quick-set regulator, tank and working pressure gauges, quick connect air outlet and on/off switch for ease of use

Specifications

Tank Size: ..... 30 Gallon ASME*
Maximum Pressure: ..... 135 PSI
CFM @ 40 PSI: 6.2
CFM @ 90 PSI: 5.3
Voltage: ..... 120/240 Volt
Running HP: 1.6
Certifications: ..... UL & CSA
Dimensions: ..... 25" x 24.5" x 49"
Weight: ..... 167 lbs.
Warranty: ..... 2 Year Pump, 1 Year All Other Parts

PFP **PXCMLC1683066**

20-GALLON CAST IRON, OIL LUBRICATED, BELT DRIVE AIR COMPRESSOR



Compressor Features

- Cast iron, V-twin cylinder, oil lubricated
- One-piece cast iron crankcase
- Thermally stable cast iron cylinder body
- Aluminum head and machined cast iron valve plate
- Automotive style ball bearings
- Durable stainless steel reed valves
- Oil level sight glass
- Easily accessible oil fill
- 10" cast iron balanced flywheel
- Equipped with quick-set regulator, tank and working pressure gauges, quick connect air outlet and on/off switch

Specifications

Tank Size: ..... 20 Gallon ASME*
Maximum Pressure: ..... 135 PSI
CFM @ 40 PSI: 6.2
CFM @ 90 PSI: 5.3
Voltage: ..... 120/240 Volt
Running HP: 1.6
Certifications: ..... UL & CSA
Dimensions: ..... 34.25" x 23.25" x 35.5"
Weight: ..... 155 lbs.
Warranty: ..... 2 Year Pump, 1 Year All Other Parts

PFP **PXCMPC1682066**

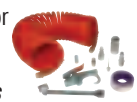
***ASME - American Society of Mechanical Engineers**

PROFORCE™



20-GALLON VERTICAL WHEELED AIR COMPRESSOR

- Oil free, low maintenance operation
- 1.5hp Induction Motor
- No oil to add or change
- Single hand operation, brass (no spark/anti-rust) quick connect allows you to quickly change applications
- Fully enclosed shroud to protect the pump and motor
- Conveniently located gauges and regulator
- 7" wheels for job site portability
- 9-piece accessory kit included



Specifications

Tank Size: ..... 20 Gallon ASME*
Maximum Pressure: ..... 125 PSI
CFM @ 40 PSI: 4.8
CFM @ 90 PSI: 3.5
Voltage: ..... 120 Volt
Certifications: ..... UL & ETL
Warranty: ..... 1 Year Limited
Conforms to ISO 1217 for SCFM claims.
PFP **VLF1582019**



10-GALLON VERTICAL WHEELED AIR COMPRESSOR

- Oil free, low maintenance operation
- 1.5hp Induction Motor
- No oil to add or change
- Single hand operation, brass (no spark/anti-rust) quick connect allows you to quickly change applications
- Fully enclosed shroud to protect the pump and motor
- Conveniently located gauges and regulator
- 7" wheels for job site portability
- 9-piece accessory kit included



Specifications

Tank Size: ..... 10 Gallon ASME*
Maximum Pressure: ..... 125 PSI
CFM @ 40 PSI: 4.8
CFM @ 90 PSI: 3.5
Voltage: ..... 120 Volt
Certifications: ..... UL & ETL
Warranty: ..... 1 Year Limited
Conforms to ISO 1217 for SCFM claims
PFP **VLF1581019**



7-GALLON HORIZONTAL WHEELED AIR COMPRESSOR

- Oil free, low maintenance operation
- 1.5hp Induction Motor
- No oil to add or change
- Single hand operation, brass (no spark/anti-rust) quick connect allows you to quickly change applications
- Fully enclosed shroud to protect the pump and motor
- Conveniently located gauges and regulator
- 7" wheels for job site portability
- 9-piece accessory kit included



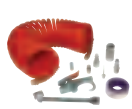
Specifications

Tank Size: ..... 7 Gallon ASME*
Maximum Pressure: ..... 125 PSI
CFM @ 40 PSI: 4.8
CFM @ 90 PSI: 3.5
Voltage: ..... 120 Volt
Certifications: ..... UL & ETL
Warranty: ..... 1 Year Limited
Conforms to ISO 1217 for SCFM claims
PFP **VPF1580719**



6-GALLON PANCAKE AIR COMPRESSOR

- Oil free, low maintenance operation
- 1.0hp Universal Motor
- No oil to add or change
- Circuit breaker friendly motor
- Requires one-half the starting current than that of traditional induction motors
- Starts easily, even with the use of an extension cord
- Single hand operation, brass (no spark/anti rust) quick connect allows you to quickly change applications
- Compact shroud design with fully integrated handle and lighted on/off switch
- 6 Gallon is lightweight and portable
- 9-piece accessory kit included



Specifications

Tank Size: ..... 6 Gallon
Maximum Pressure: ..... 125 PSI
CFM @ 40 PSI: 3.7
CFM @ 90 PSI: 2.6
Voltage: ..... 120 Volt
Certifications: ..... UL & ETL
Warranty: ..... 1 Year Limited
Conforms to ISO 1217 for SCFM claims
PFP **VNF1080620**

PROFORCE™



4-GALLON OIL FREE DOLLY WITH EXTRA VALUE KIT

- Compact telescoping handle for easy portability
- Low maintenance, oil free, direct drive operation
- No oil to add or change
- No belts or pulleys to replace
- Easy cold weather start
- 120 volt; plugs into standard outlet for quick and easy use
- Equipped with pressure regulator, tool and tank pressure gauges, quick connect air outlet and on/off switch
- Supported by our Toll Free Customer Help Line

EXTRA VALUE KIT INCLUDES:

- 25' recoil air hose
- Blow gun with safety nozzle, inflation needle and adapter fitting
- Dual tire chuck
- Quick coupler
- 1/4" NPT male and female thread connector
- Thread sealant

Specifications

Tank Size....4 Gallon
Maximum Pressure....125 PSI
CFM @ 40 PSI....3.0
CFM @ 90 PSI....2.0
Voltage....120 Volt
Running HP....1.0
Certifications.... UL & ETL
Warranty....1 Year Limited

PFP **VKF1080418**



4-GALLON SIDE STACK AIR COMPRESSOR

- Heavy-duty oil lubricated, direct drive pump
- Easy access oil fill
- Oil level sight glass
- Durable cast iron cylinder
- No belts or pulleys to replace
- Long life induction motor wired 120 volt, plugs into standard outlet for quick and easy use
- 4 Gallon tank is lightweight and portable, goes most anywhere
- Single hand operation, brass (no spark/anti-rust) quick connect allows quick change of applications
- Conveniently located pressure regulator, pressure gauges and on/off switch
- 9-piece accessory kit included

Specifications

Tank Size....4 Gallon
Maximum Pressure....125 PSI
CFM @ 40 PSI....3.7
CFM @ 90 PSI....2.4
Voltage....120 Volt
Running HP....1.0
Certifications.... ....UL & ETL
Warranty....1 Year Limited
Conforms to ISO 1217 for CFM claims

PFP **VSF1080421**

3-GALLON HOTDOG AIR COMPRESSOR

- Oil free, low maintenance operation
- 1.0hp Induction Motor
- No oil to add or change
- Single hand operation, brass (no spark/anti-rust) quick connect allows you to quickly change applications
- Lightweight compact design for convenient storage and easy transport
- Conveniently located gauges and regulator
- 9-piece accessory kit included



Specifications

Tank Size ....3 Gallon
Maximum Pressure ....125 PSI
CFM @ 40 PSI 3.0
CFM @ 90 PSI 2.0
Voltage ....120 Volt
Certifications .... .UL & ETL
Warranty....1 Year Limited
Conforms to ISO 1217 for SCFM claims

PFP **VPF1080318**

DEWALT

WHEELED PORTABLE - OIL-FREE COMPRESSORS



4.5 Gallon, 200 Max PSI, Jobsite Compressor



5 Gallon, 200 Max PSI, Horizontal Workshop Compressor



15 Gallon, 200 Max PSI, Vertical Workshop Compressor

	DEW **D55146**	*DEW* **D55167**	*DEW* **D55168**
Tank/Max PSI	4.5 Gallon / 200 PSI Max	15 Gallon / 200 PSI Max	15 Gallon / 200 PSI Max
SCFM@90 PSI	5.0 scfm	5.0 scfm	5.0 scfm
Pump Type	Belt Drive Oil-Free	Belt Drive Oil-Free	Belt Drive Oil-Free
Amp Draw/Voltage	15A, 120V	15A, 120V	15A, 120V
Motor Type	Universal	Universal	Universal
HP	1.6 Continuous HP	1.6 Continuous HP	1.6 Continuous HP
Noise Level	78.5 dBA	78.5 dBA	78.5 dBA
Tool Length	33.5"	39.6"	24.5"
Tool Width	23"	16.5"	22"
Tool Height	15"	30"	44.75"
Tool Weight	83 lbs	83 lbs	92 lbs

DEWALT

HAND CARRY COMPRESSORS



1 Gallon, 135 Max PSI, Trim Compressor



4 Gallon, 125 Max PSI, Stacked Tank Compressor



4 Gallon, 125 Max PSI, Wheeled Dolly-Style Air Compressor with Panel

	DEW **D55140**	*DEW* **D55151**	*DEW* **D55154**
	Oil-Free	***Oil-Lube***	
Tank/Max PSI	1 Gallon / 135 PSI Max	4 Gallon / 125 PSI Max	4 Gallon / 125 PSI Max
SCFM@90 PSI	.75 scfm	3.4 scfm	4.0 scfm
Pump Type	Belt Drive Oil-Free	Direct Drive Oil-Lube	Direct Drive Oil-Lube
Amp Draw/Voltage	2.6A, 120V	14A, 120V	14A, 120V
Motor Type	Permanent Magnet	Induction	Induction
HP	0.3 Continuous HP	1.1 Continuous HP	1.1 Continuous HP
Noise Level	71.5 dBA	83.0 dBA	83.0 dBA
Tool Length	19"	18.5"	22"
Tool Width	14.5"	15.5"	18.5"
Tool Height	9"	14.75"	23"
Tool Weight	24 lbs	53 lbs	87 lbs
Includes	—	DEWALT compressor oil	DEWALT compressor oil

EVERCRAFT™

PORTABLE AIR COMPRESSORS

Ideal for tires, bikes, inflatables, and sports equipment. All portable air compressors have built-in pressure gauges and accessory tips included.

BK **776-8067** 250 PSI/12 volt, compact size
BK **776-8068** 100 PSI/12 volt, super-bright LEDs, screw on chuck



BK **776-8067**



BK **776-8068**

NAPA Air Compressors



NAC **1312100549**



NAC **1312100551**



NAC **2200902301**



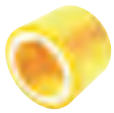
NAC **2200902354**

QUIET POWER 5-15 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

Item No.	Description
NAC **1312100549**	Service Kit for QP Rotary 7.5 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **1312100551**	Service Kit for QP Rotary 10-15 HP. Includes Air and Oil Filter (2000 hours or yearly)
NAC **2200902301**	Service Kit for QP Rotary 5-7.5 HP. Includes Air Filter, Oil Filter and separator. (4000 hours or 2 years)
NAC **2200902354**	Service Kit for QP Rotary 10-15 HP. Includes Air Filter, Oil Filter and separator. (4000 hours or 2 years)



NAC **6211473750**



NAC **6211473950**

AIR FILTER

Air Filters for QP Rotary. 10-15 HP.

Item No.	Description
NAC **6211473750**	Air Filter for QP Rotary 5-7.5 HP
NAC **6211473950**	Air Filter for QP Rotary 10-15 HP



NAC **2200902713**



NAC **2200902714**



NAC **6229038100**



NAC **6229030400**



NAC **6229038200**

QUIET POWER 20-30 HP ROTARY SCREW AIR COMPRESSOR SERVICE KITS

Item No.	Description
NAC **2200902713**	Filter Kit for QP Rotary 20-25 HP, includes air filter, oil filter and separator (4000 hour)
NAC **2200902714**	Filter Kit for QP Rotary 30 HP, includes air filter, oil filter and separator (4000 hour)
NAC **6229030400**	Filter Kit for QP Rotary 20-30 HP, includes air and oil filter (2000 hour)
NAC **6229038100**	Filter Kit for QP Rotary 20-25 HP, includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)
NAC **6229038200**	Filter kit for QP Rotary 30 HP, includes air filter, oil filter, separator, thermostatic valve, non-return valve kit and minimum pressure valve kit (8000 hour)

5 HP/7.5 HP/10 HP INDUSTRIAL OIL & AIR COMPRESSOR MAINTENANCE KITS

To maximize your compressor's life expectancy, change compressor oil every three months or after 500 hours of use.

7.5 HP/10 HP PROFESSIONAL UNIT MAINTENANCE KIT

7.5 & 10 HP kit contains two quarts of oil, two air filters, (*NAC* **82-2580**) maintenance service card, and maintenance service decal. Also fits *NAC* **82-1633 GT**.

NAC **82-6041**



5 HP PROFESSIONAL UNIT MAINTENANCE KIT

Not Illustrated

5 HP kit contains two quarts of non-detergent 30 wt. oil, one air filter, maintenance service card, and maintenance service decal. Also fits *NAC* **82-1033-GTH** & *NAC* **82-1133-GTV**.

NAC **82-6040**

AIR COMPRESSOR OIL

Our specially formulated compressor oil is recommended for all types of air compressors. Available in quart size (32 oz.) only.

NAC **82-6020**



Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

OIL SEPARATORS
Oil Separators for QP Rotary
5 -7.5 HP and 10-15 HP


NAC **6221372650**


NAC **6221372850**

Item No.	Description
NAC **6221372650**	Oil Separator for QP Rotary 5-7.5 HP
NAC **6221372850**	Oil Separator for QP Rotary 10 to 15 HP

OIL FILTERS
Oil Filters for QP Rotary
10-15 HP and 7.5 HP


NAC **6211472550**


NAC **6211472650**

Item No.	Description
NAC **6211472550**	Oil Filter for QP Rotary 10-15 HP
NAC **6211472650**	Oil Filter for QP Rotary 5-7.5 HP


NAC **6215714000**


NAC **6215714400**


NAC **6215714500**


NAC **6215714800**


NAC **1630203200**

QUIET POWER ROTARY SCREW AIR COMPRESSOR LUBRICANTS

Item No.	Description	Size/Type	Life Cycle (hrs.)
NAC **6215714000**	Lubricant for QP Rotary	Rotair, 5 Liter/1.32 gal	2000
NAC **6215714400**	Lubricant for QP Rotary	Rotair Plus, 5 Liter/1.32 gal	4000
NAC **6215714500**	Lubricant for QP Rotary	Rotair Plus, 20 Liter/5.25 gal	4000
NAC **6215714800**	Lubricant for QP Rotary	Rotair Xtra, 5 Liter/1.32 gal	8000
NAC **1630203200**	Lubricant for QP Rotary	Rotair Xtra, 20 Liter/5.28 gal	8000

MAGNETIC STARTERS
- Electrically operated switches are used to control the compressor motor and provide thermal protection
- Starts are activated by the pressure switch
- Contact our Technical Service department for assistance


NAC **1312100659**

NAC Item No.	Fits These Compressors
1312100659	NAC **82-348VAT**
	NAC **82-348VAT-208**
	NAC **82-348VATK**
	NAC **82-348VATFF**
	NAC **82-348HAT**
	NAC **82-348HAT-208**
	NAC **82-349HAT**
	NAC **82349HAT-208**
	NAC **82-2349HAT**
	NAC **82-2349HAT-208**
	NAC **QP-581VAT**
1312100656	NAC **82-348VBT**
	NAC **82-348VBTK**
	NAC **82-348VATFF**
	NAC **82-348HBT**
	NAC **82-349HBT**
	NAC **82-2349HBT**
	NAC **QP-583VBT**

NAC Item No.	Fits These Compressors
1312100654	NAC **82-348VBT-460**
	NAC **82-348VBTK-460**
	NAC **82-348VBTFF-460**
	NAC **82-348HBT-460**
	NAC **82-2349HBT-460**
82-15BA	NAC **82-378VAT**
	NAC **82-378VAT208**
	NAC **82-378VATK**
	NAC **82-378VATFF**
	NAC **82-378HAT**
	NAC **82-378HAT-208**
	NAC **82-379HAT**
	NAC **82-379HAT-208**
	NAC **82-2379HAT**
	NAC **82-2379HAT-208**
	NAC **QP-7581VAT**

NAC Item No.	Fits These Compressors
1312100658	NAC **82-378VBT**
	NAC **82-378VBTK**
	NAC **82-378VBTFF**
	NAC **82-378HBT**
	NAC **82-379HBT**
	NAC **82-2379HBT**
	NAC **QP-7583VBT**
1312100657	NAC **82-378VBT-460**
	NAC **82-378VBTF-460**
	NAC **82-378HBT-460**
	NAC **82-379HBT-460**
	NAC **82-308VBT-460**
	NAC **82-308VBTK-460**
	NAC **82-309VBT-460**
	NAC **82-309VBTK-460**
	NAC **82-309VBTF-460**
	NAC **82-308HBT-460**
	NAC **82-308HBTK-460**

NAC Item No.	Fits These Compressors
	NAC **82-309HBT-460**
	NAC **82-309HBTK-460**
	NAC **82-309VBTF-460**
	NAC **82-2379HBT-460**
	NAC **82-2309HBT-460**
	NAC **82-2300HBT-460**
82-35BA	NAC **82-308VBT**
or	NAC **82-308VBTK**
1312100782	NAC **82-309VBT**
	NAC **82-309VBTK**
	NAC **82-309VBTFF**
	NAC **82-308HBT**
	NAC **82308HBTK**
	NAC **82-309HBT**
	NAC **82309HBTK**
	NAC **82-2349HBT**
	NAC **82-2300HBT**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Air Compressors

PRESSURE SWITCHES
This normally closed electric switch starts and stops the compressor as pressure rises and falls in the tank. Pressure setting is adjustable. (21 amp max.)



NAC **82-774**

Item No.	Pipe Thread, in.	Unloader	On/Off Lever	Preset Setting, PSI
NAC **82-774**	1/4	yes	yes	90 to 125
NAC **82-776**	1/4	yes	yes	110 to 140
NAC **82-779**	1/4	yes	no	140 to 175

SAFETY VALVES
Valve vents the tank if excess pressure builds up. It is essential for all ASME-approved tanks. MPT: 1/4 inch.

Item No.	Preset PSI	CFM
NAC **82-947**	60	61
NAC **82-948**	125	115
NAC **82-949**	150	136
NAC **82-950**	165	149
NAC **82-951**	200	178



NAC **82-947**

TANK MANIFOLDS
Compressor-type manifolds combine safety valve, full-flow valve, tank mounting fitting and fittings for air gauge.150 psi max.



NAC **82-738**



NAC **82-739**

Item No.	Description
NAC **82-738**	Air compressor tank manifold
NAC **82-739**	Manifold for carry tanks

AIR PRESSURE GAUGES
Gauge has a 2" face with a 1/4" NPT-back or bottom connection. Reads 0 to 300 PSI.

Item No.	Description
NAC **82-513**	Rear Mount
NAC **82-516**	Bottom Mount

NAC **82-513**
Rear Mount



NAC **82-516**
Bottom Mount



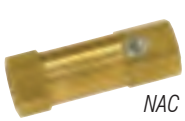
UNLOADER PILOT VALVE
Valve directs air to head unloader, which holds pump intake valve open when pressure is reached. Pressure setting is 145 PSI open to 175 PSI Closed.

NAC **82-952**



BRONZE AIR CHECK VALVES
Valves prevent reverse flow of air from tank to compressor, allowing air to flow in one direction only. Generally used in discharge line from pump to tank.

Item No.	Description
NAC **82-781**	3/8" NPT
NAC **82-782**	1/2" NPT
NAC **82-783**	3/4" NPT



NAC **82-782**

IN-TANK CHECK VALVES
Valves are used between tank and pump discharge line to prevent reverse flow of air from tank to compressor.

Item No.	Compression Inlet, inch	MPT Outlet, inch
NAC **82-C5050**	1/2" Compression	1/2"
NAC **82-C7575**	3/4" Compression	3/4"
NAC **82-C7510**	3/4" Compression	1"
NAC **82-P5050**	1/2" FPT	1/2"
NAC **82-P7575**	3/4" FPT	3/4"
NAC **82-P7510**	3/4" FPT	1 1/2"



NAC **82-P7575**

UNLOADER & CHECK VALVE COMBINATION
As the pump stops, the valve senses a lack of air flow and relieves pressure in discharge line. When pump starts, the vent closes and check valve reopens.

Item No.	Inlet, inch	Outlet, inch
NAC **82-06**	3/8" Compression	1/4" MPT
NAC **82-12**	1/2" Compression	3/8" MPT
NAC **82-24**	3/4" Compression	1/2" MPT



NAC **82-06**

CONTINUOUS RUN UNLOADERS
Unloader vents discharge air into the atmosphere when tank pressure reaches valve setting. It also acts as a check valve.

Item No.	Pressure Setting, PSI
NAC **82-709**	145 to 175
NAC **82-710**	110 to 140
NAC **82-711**	90 to 120



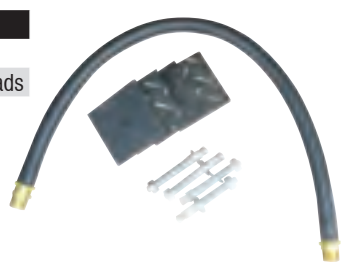
NAC **82-709**

STATIONARY AIR COMPRESSOR MOUNTING KIT
Our compressor mounting kit contains all the items needed to securely install most stationary air compressors. Properly mounted air compressors transfer less vibration to airlines and airline accessories, which reduces noise, air leaks, and extends tank life. (350 PSI maximum pressure.)

Contents

Qty	Description
1	3' x 3/4" flex line
4	Rubber floor mounting pads
4	Anchor bolts

NAC **82-4678***
*** Not for use on truck mounted gas units.**



INLET FILTER
Inlet filter for QP Piston Compressor
NAC **1312100097**



AIR FILTER
Air filter housing for single stage Air Boss compressors
NAC **82-3095**



Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

AIR COMPRESSOR REPLACEMENT PARTS FOR INDUSTRIAL AIR COMPRESSORS

Item No.	Pump*	Pump**	Pressure Switch	Motor No.	Filter Assembly	Filter Element	Belt	Belt Qty	Belt Guard
NAC **82-1033GTH**	NAC **82-3048**	1312202800	1312100497	1312100223	1312100374	82-2580	1312100721	2	1312204300
NAC **82-1133GTV**	NAC **82-3048**	1312202800	1312100497	1312100730	1312100374	82-2580	1312100721	2	1312204300
NAC **82-1633GT**	NAC **82-3010**	1312202700	1312100497	1312100731	1312100374	82-2580	1312100736	2	1312204300
NAC **82-348HAT**	NAC **82-3048**	1312202800	1312100570	82-5000MA or 1312100399	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348HBT**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348HBT-460**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348VAT**	NAC **82-3048**	1312202800	1312100570	82-5000MA or 1312100399	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348VBT**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348VBT-460**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-349HAT**	NAC **82-3048**	1312202800	1312100570	82-5000MA or 1312100399	1312100374	82-2580	1312100724	2	1312204400
NAC **82-349HBT**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-349HBT-460**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-378HAT**	NAC **82-3010**	1312202700	1312100570	1312100394	1312100374	82-2580	1312100724	2	1312204400
NAC **82-378HBT**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378HBT-460**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378VAT**	NAC **82-3010**	1312202700	1312100570	1312100394	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378VBT**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378VBT-460**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-379HAT**	NAC **82-3010**	1312202700	1312100570	1312100394	1312100374	82-2580	1312100722	2	1312204400
NAC **82-379HBT**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-379HBT-460**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-308HBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-308HBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-308VBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-308VBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309HBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309HBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309VBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309VBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-348VATFF**	NAC **82-3048**	1312202800	1312100570	1312100399	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348VBTFF**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-348VBTF-460**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	1312204400
NAC **82-378VATFF**	NAC **82-3010**	1312202700	1312100570	1312100394	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378VBTFF**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-378VBTF-460**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	2	1312204400
NAC **82-309HBTFF**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309HBTF-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309VBTFF**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-309VBTF-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	2	1312204400
NAC **82-2349HAT**	NAC **82-3048**	1312202800	1312100570	1312100399	1312100374	82-2580	1312100724	2	Call Manufacture
NAC **82-2349HBT**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	Call Manufacture
NAC **82-2349HBT-460**	NAC **82-3048**	1312202800	1312100570	82-5000MB or 1312101602	1312100374	82-2580	1312100724	2	Call Manufacture
NAC **82-2379HAT**	NAC **82-3010**	1312202700	1312100570	1312100394	1312100374	82-2580	1312100722	4	Call Manufacture
NAC **82-2379HBT**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	4	Call Manufacture
NAC **82-2379HBT-460**	NAC **82-3010**	1312202700	1312100570	1312101601	1312100374	82-2580	1312100722	4	Call Manufacture
NAC **82-2309HBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	4	Call Manufacture
NAC **82-2309HBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	4	Call Manufacture
NAC **82-2300HBT**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	4	Call Manufacture
NAC **82-2300HBT-460**	NAC **82-3010**	1312202700	1312100570	82-1000MB or 1312101600	1312100374	82-2580	1312100723	4	Call Manufacture
NAC **QP-581VAT**	4116090019	1312101036	1312100570	131210039	1312100097	FE004	1312100140	2	1312100148 & 1312100150
NAC **QP-583VBT**	4116090019	1312101036	1312100570	82-5000MB or 1312101602	1312100097	FE004	1312100140	2	1312100148 & 1312100150
NAC **QP-7581VAT**	4116090019	1312101036	1312100570	1312100400	1312100097	FE004	1312100139	2	1312100148 & 1312100150
NAC **QP-7583VBT**	4116090019	1312101036	1312100570	1312101601	1312100097	FE004	1312100139	2	1312100148 & 1312100150

*** For compressors with centrifugal unloader manufactured before May 2011**
**** For compressors without centrifugal unloader manufactured after May 9th 2011 (HOP Serial # prefix)**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NAPA Air Compressors

AIR COMPRESSOR REPLACEMENT PARTS FOR PERFORMANCE AIR COMPRESSORS MANUFACTURED AFTER APRIL OF 2011 WITH SERIAL NUMBER BEGINNING WITH "HOP"

Item No.	Pump	Motor No.	Pressure switch	Tank	Filter Assembly	Filter Element	Belt	Belt Guard	Valve Set	Recommended Breaker Sizes
NAC **82-356VAT**	82-2035	1312101146	1312100459	1312100604	1312100376	FE004	1312100133	1312100145 1312100146	6210717200	40
NAC **82-8560VAT**	82-2035	1312101146	1312100459	1312100604	1312100376	FE004	1312100133	1312100145 1312100146	6210717200	40
NAC **82-358VAT**	82-2035	1312100389	1312100554	1312201100	1312100376	FE004	1312100137	1312100148 1312100150	6210717200	40
NAC **82-368VAT**	4116090161	1312100400	1312100570	1312201100	32574	82-2580	1312100140	1312100148 1312100150	6210717300	60
NAC **82-4254PGT**	1312100123	1312100728	1312100496	1312201000	6229020500	—	1312100132	1312100147 1312100146	6229024900	—
NAC **82-4254PGTH**	1312100123	1312100219	1312100496	1312201000	6229020500	—	1312100132	1312100147 1312100146	6229024900	—
NAC **82-808PGT**	82-2035	1312100795	1312100496	1312201000	1312100376	FE004	1312100807	1312100147 1312100146	6210717200	—
NAC **82-808PGTH**	82-2035	1312100221	1312100496	1312201000	1312100376	FE004	1312100132	1312100147 1312100146	6210717200	—
NAC **82-823GT**	82-2035	1312100730	1312100497	1312201500	1312100376	FE004	1312100138	1312100149 1312100150	6210717200	—
NAC **82-823GTH**	82-2035	1312100222	1312100497	1312201500	1312100376	FE004	1312100138	1312100149 1312100150	6210717200	—
NAC **82-1023GT**	4116090161	1312100730	1312100497	1312201500	1312100374	82-2580	1312100139	1312100149 1312100150	6210717300	—
NAC **82-1023GTH**	4116090161	1312100223	1312100497	1312201500	1312100374	82-2580	1312100120	1312100149 6210717300		—
NAC **82-1330GTK**	4116090161	1312101114	1312100497	1312201500	1312100374	82-2580	1312100141	1312100149 1312100150	6210717300	—

AIR COMPRESSOR REPLACEMENT PARTS FOR AIR BOSS & NITRO AIR COMPRESSORS MANUFACTURED AFTER JUNE 2006

Item No.	Pump	Motor No.	Pressure Switch	Tank	Filter Assembly	Belt	Belt Guard	Valve Set
NAC **82-4252PAT**	1312100119	1312100388	1312100455	1312100474	82-3095 or *2236112835	1312100129	6214343100 2236110472	6229024900
NAC **82-4253PAT**	1312100119	1312100388	1312100455	1312100476	82-3095 or *2236112835	1312100129	6214343100 2236110472	6229024900
NAC **82-4256VAT**	1312100119	1312100388	1312100455	—	82-3095 or *2236112835	1312100129	6214343100 2236110472	6229024900
NAC **82-4276VAT**	1312100123	1312100390	1312100455	—	82-3095 or *2236112835	1312100134	6214343100 2236110472	6229024900

**** foot note "after production date 04/04/2014"***



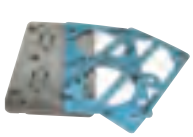
NAC **6229020500**



NAC **6229023600**



NAC **6229023900**





NAC **8940161795**



NAC **8940161796**



NAC **8940161797**

AIR BOSS AIR COMPRESSOR ACCESSORIES

Item No.	Description
NAC **6229020500**	Air Filter Kit for Air Boss single stage compressors
NAC **6229023600**	Top end gasket kit for B3800
NAC **6229023900**	Head Kit for Air Boss single stage compressors
NAC **6229024900**	Valve plate kit for Air Boss single stage compressors

AIR LINE DESICCANT DRYERS

Item No.	Description
NAC **8940161795**	Air Line Desiccant Dryer, 15 CFM Max
NAC **8940161796**	Replacement Desiccant for *NAC* **8940161795** 6, 1 quart packages
NAC **8940161797**	Four Stage Desiccant Dryer System

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

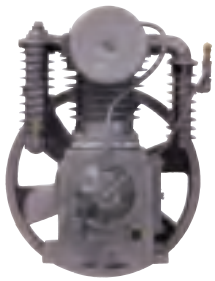
NAPA Air Compressors

AIR COMPRESSOR HEAVY-DUTY TWO-STAGE REPLACEMENT PUMPS



7.5 HP & 10 HP PUMP
Cast iron, 4-cylinder, 2-stage replacement pump fits most 10 HP industrial units and some 7.5 HP models.

Item No.	HP	Compressor Item No.
NAC **82-3010**	10 & 7.5 HP	*NAC* **82-378 Series** *NAC* **82-308-HBT** *NAC* **82-309-HBT** & **VBT** *NAC* **82-1633-GT** *NAC* **82-Duplex Series 7.5 & 10HP**
NAC **1312202800**		for serial #'s beginning w/ HOP



5 HP PUMP
Cast iron, 2-cylinder, 2-stage replacement pump fits most 5 HP industrial units.

Item No.	HP	Compressor Item No.
NAC **82-3048**	5 HP	*NAC* **82-348 Series** *NAC* **82-1033 Series** *NAC* **82-Duplex Series 5HP**
NAC **1312202800**		for serial #'s beginning w/ HOP

REPLACEMENT PUMP SPECIFICATIONS

Item No.	No. Cyl.	Pump Mat'l	HP	ACFM	Max. PSI	Pump RPM	Pump Flywheel Dia.	Motor Sheave 1,725/3,450 RPM	Bore Stroke	Mounting Holes Center-to-Center	Shipping Weight
NAC **82-3010**	4	CI	7.5/10	24 @ 175 PSI	200	600	19"	6.5" / 3.25"	4.25" x 2.125" x 3.5"	9.25" x 9"	340 lbs
NAC **1312100119**	2	CIC	2.0	6.9 @ 90 PSI	125	1,350	11"	/ 4.25"	**CM	6.375" x 5.25"	32 lbs
NAC **1312100123**	2	CIC	3.5	12.35 @ 90 PSI	135	1,285	13.75"	/ 5.0"	**CM	6.375" x 5.25"	36 lbs

**** CM – Contact Manufacturer. Call 1-866-869-3114.**

When sizing a NAPA® Air Compressor: We need to know the following when comparing to another brand's is electric or gas motor.
- If it is a gas unit: We need to know the hp of the unit and the diameter of the pulley on the motor.
- If it is electric: We need to know hp, rpm, voltage and amp draw. We also need the diameters of the motor's pulley and shaft.

MEDIUM-DUTY TWO-STAGE REPLACEMENT PUMPS



5 HP PUMP
Aluminum, 2-cylinder, 2-stage pump fits 5 HP unit. Fits Performance series.

Item No.	HP	Compressor
NAC **4116090112**	5 HP Electric	*NAC* **82-356-VAT**, *NAC* **82-358-VAT**
	8 HP Gas	*NAC* **82-808-PGT**, *NAC* **82-823-GT**



5 HP & 7 HP PUMPS
Aluminum pump. Fits Nitro series with ABS belt guard.

Item No.	HP	Compressor Item No.
NAC **1312100119**	2 HP	2 HP *NAC* units - most 2 HP light duty electric and small gas compressors including *NAC* **82-4252-PAT**, *NAC* **82-4253-PAT**, *NAC* **82-4256-PAT**
NAC **1312100123**	3.5 HP	3.5 HP NAC units - most 3.5 HP light duty electric and small gas compressors including *NAC* **82-4276-VAT**



7.5 HP PUMP
Aluminum, 2-cylinder, 2-stage pump fits 7.5 HP unit. Fits Performance series.

Item No.	HP	Compressor
NAC **4116090161**	7.5 HP Electric	*NAC* **82-368-VAT**
	10 & 11 HP Gas	*NAC* **82-1023-GT**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Tire Hardware Arrow Pneumatics

NAPA TIRE HARDWARE MODULAR SYSTEM

NAPA AIR COMPRESSORS CAN SUGGEST THE BEST AIR LINE ACCESSORIES FOR YOUR AIR SYSTEM!

The Air Compressor Filters, Regulators and Lubricators you choose have a direct relationship to the efficiency of your air system.

The NAPA Tire Hardware modular system is designed to allow conventional in-line installation using pipe threads, or modular installation using the patented Quickclamp system.

The one-piece Quickclamp assembly allows installation and removal of "Modular" units without breaking a pipe connection which without breaking a pipe connection, which saves time connecting and replacing air line components.

NAPA's Modular series offers Filters, Regulators and Lubricators to meet your particular air needs and applications.

Features:
- Aesthetic appearance
- A wide range of accessories
- Quick-release bayonet bowls

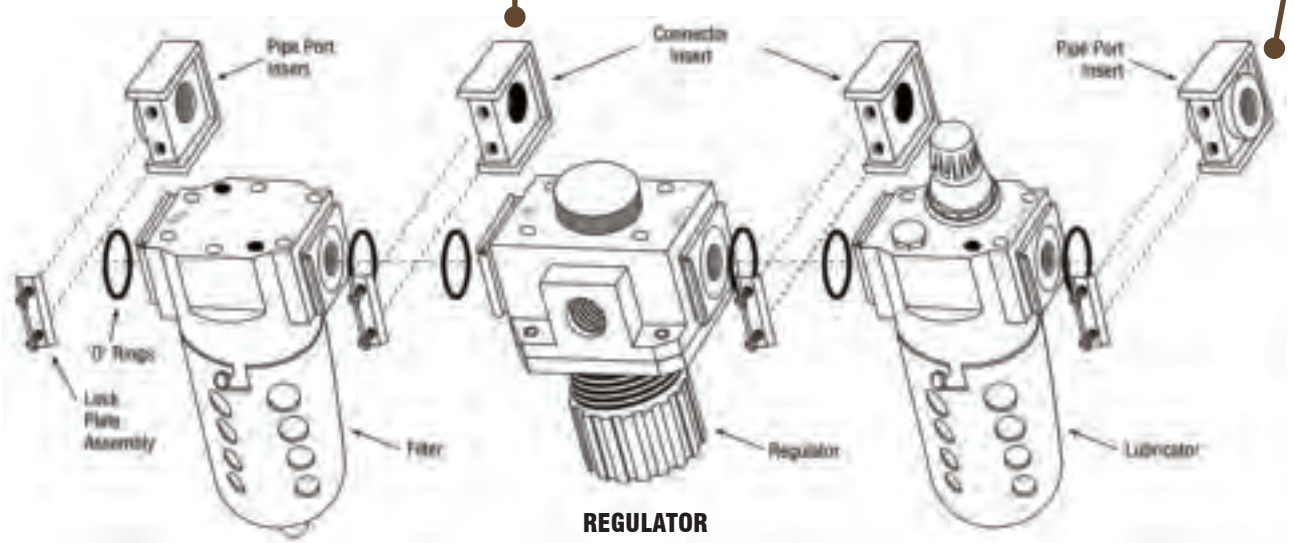
Arrow Pneumatics

QUICKCLAMP

Part No.	Clamp Size
NTH **90-7016**	1 1/8"
NTH **90-7414**	1 3/8"

QUICKCLAMP PIPE ADAPTERS

Part No.	Clamp Size	Port Size
NTH **90-7986**	1 3/8"	1/4"
NTH **90-7987**	1 3/8"	3/8"
NTH **90-7989**	1 3/8"	3/4"



FILTER **REGULATOR** **LUBRICATOR**

NAPA Tire Hardware Arrow Pneumatics



NTH **90-715**



NTH **90-7013**



NTH **90-7830**



NTH **90-7820**



NTH **90-7840**



NTH **90-7960**



NTH **90-7870**



NTH **90-7961**

AIR LINE COMBO UNITS

Space-saving filter and regulator combination units feature output performance equal to that of an individual filter and regulator with reduced pressure outputs of 5 to 125 PSIG. All Pneumaster Filters are equipped with sintered bronze elements. Built to withstand various chemicals and will not collapse like most polypropylene or plastic elements.

Item No.	Pipe Size	Adjustment Type	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Gauge	Max. Temp. Range	Pressure
NTH **90-715***,†	¼"	Knob	20	1 oz.	Poly with no bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7013**	¼"	Knob	35	4 oz.	Metal bowl with glass sight	Manual	Included	40° - 160° F	250 psig
NTH **90-7800*** **	¼"	Knob	50	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7830**	¼"	T-handle	50	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7831**	¼"	T-handle	50	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7820**	⅜"	Knob	80	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7840**	⅜"	T-handle	80	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7860**	½"	T-handle	100	5 oz.	Poly bowl with bowl guard	Manual	Included	40° - 125° F	150 psig
NTH **90-7850**	½"	T-handle	100	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	200 psig
NTH **90-7851**	½"	T-handle	100	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7870**	¾"	Knob	200	6 oz.	Metal bowl with sight glass	Manual	Included	40° - 160° F	250 psig
NTH **90-7871**	¾"	T-handle	200	6 oz.	Metal bowl with sight glass	Auto Drain	Included	40° - 125° F	175 psig
NTH **90-7960****	½"	Knob	100	5 oz.	Poly bowl with guard	Manual	Included	40° - 160° F	150 psig
NTH **90-7961****	½"	Knob	100	5 oz.	Poly bowl with guard	Manual	Included	40° - 160° F	150 psig

*** IMPORTANT:** *NTH* **90-715 is a mini unit.**
**** Filter/regulator/lubricator unit.**
***** Wall mount not included.**
† Replacement Gauge *NHT* **90-720.**

Specifications subject to change without notice. Units may not be exactly as pictured.

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880A AIR CONTROL UNIT

- Highly effective at removing water, oil and contamination
- One 18C-3R Regulator with 160 lbs. Inverted Gauge (GA-160U) and Air Cock (1-HC-1885)
- 5 Micron filtration
- Additional regulated outlet included
- Filtered main line outlet included
- Air Inlet: 1/2" NPT
- Max. operating pressure 200 psi (13.6 bar)

FILTER CAPACITY: 75 cfm
REGULATOR CAPACITY: 50 cfm

Item No.	Model	Description
SPR **6950**	880A	Air Control Unit (75 cfm)
SPR **32719**	1-F88-19	Replacement Filter Element



606B AIR CONTROL UNIT

- Most effective at removing water, oil & contamination
- One 18C-3R Regulator with 160 lbs. Inverted Gauge (GA-160U) and Air Cocks (1-HC-1885 & 1-HC606)
- 5 Micron filtration
- Two regulated outlets
- One Filtered main line outlet with 200 lbs. Gauge (GA-200)
- Air Inlet: 1/2" NPT
- Max. operating pressure 200 psi (13.6 bar)

FILTER CAPACITY: 120 cfm
REGULATOR CAPACITY: 50 cfm

Item No.	Model	Description
SPR **6730**	606B	Air Control Unit (120 cfm)
SPR **19930**	1-303-19	Replacement Filter Element



606A AIR CONTROL UNIT

- Most effective at removing water, oil & contamination
- One 18C-3R Regulator with 160 lbs. Inverted Gauge (GA-160U) and Air Cock (1-HC-1885)
- 5 Micron filtration
- Additional regulated outlet included
- Filtered main line outlet included
- Air Inlet: 1/2" NPT
- Max. operating pressure 200 psi (13.6 bar)

FILTER CAPACITY: 120 cfm
REGULATOR CAPACITY: 50 cfm

Item No.	Model	Description
SPR **6720**	606A	Air Control Unit (120 cfm)
SPR **19930**	1-303-19	Replacement Filter Element



705FC 1/2 IN. IN-LINE FILTER & COALESCER W/OVERNIGHT DRAINS

- Designed for use in prep stations
- Clean, dry air without the use of desiccant
- Air inlet & air outlet: 1/2" NPT
- Stage 1 provides removal of water and contaminates down to 5 microns
- Stage 2 provides removal of oil and sub-micronic particles down to .01 microns
- Air Flow Capacity 70 cfm
- Max. temperature 150°F (65°C)
- Max. operating pressure 175 psi (12 bar)

Item No.	Model	Description
SPR **6910**	705FC	In-Line Filter and Coalescer
SPR **22645**	22645	Stage 1 Replacement Filter Element
SPR **23075**	U23075	Stage 2 Replacement Coalescer Element



707C 3/4 IN. IN-LINE COALESCER W/OVERNIGHT DRAIN

- Effectively traps fine oil mists and microscopic particles to .01 microns
- Air inlet and air outlet: 3/4" NPT
- Spin-off bowl for quick filter changes without tools
- Includes pressure drop indicator
- Recommended downstream of your refrigerated air dryer
- Air Flow Capacity 115 cfm
- Max. temperature 150°F (65°C)
- Max. operating pressure 175 psi (12 bar)

Item No.	Model	Description
SPR **6930**	707C	In-Line Filter w/auto drain
SPR **23085**	1-707C-19	Replacement Filter Element

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GENERAL-PURPOSE FILTERS

General-purpose filters are installed upstream of regulators to prevent valve failure. They are also used as pre-filters to oil-removing and coalescing filters to ensure high efficiency and long element life in paint spraying, instrumentation and pharmaceutical applications. Filters remove liquid, water, dirt and debris from air lines while protecting components and air tools from premature failure. All Pneumaster Filters are equipped with sintered bronze elements that are built to withstand various chemicals and will not collapse like most polypropylene or plastic elements.


NTH **90-7510**


NTH **90-7501**


NTH **90-7010**

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Temp. Range	Pressure	Element
NTH **90-705***	¼"	27	1 oz.	Poly bowl without guard	Manual	40° - 125° F	150 psig	20 micron
NTH **90-7500**	¼"	48	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7510**	¼"	48	6 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7511**	¼"	48	6 oz.	Metal bowl with glass sight	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7520**	⅜"	75	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7530**	⅜"	75	5 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7531**	⅜"	75	6 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7540**	½"	100	5 oz.	Poly bowl with bowl guard	Manual	40° - 125° F	150 psig	40 micron
NTH **90-7550**	½"	100	6 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7551**	½"	100	6 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-7010**	¼"	30	3 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-7501**	¼"	48	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-7521**	¼"	48	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-7541**	½"	100	5 oz.	Poly bowl with bowl guard	Automatic Drain	40° - 120° F	150 psig	40 micron
NTH **90-756**	¾"	245	20 oz.	Metal bowl with glass sight	Manual	40° - 160° F	250 psig	40 micron
NTH **90-756A**	¾"	245	20 oz.	Metal bowl with glass sight	Automatic Drain	40° - 120° F	175 psig	40 micron
NTH **90-757**	1"	300	29 oz.	Metal bowl with sight glass	Manual	40° - 160° F	250 psig	40 micron
NTH **90-757A**	1"	300	29 oz.	Metal bowl with sight glass	Automatic Drain	40° - 120° F	175 psig	40 micron

***IMPORTANT:** *NTH* **90-705 is a mini unit.**

COALESCING AIR LINE FILTERS

Coalescing filters function in a different way from general-purpose filters. Air flows from inside to outside through a coalescing media. Coalescing by definition means "to come together." It is a continuous process by which small aerosols come in contact with fibers in the filter media uniting with other collected aerosols and growing to emerge as a droplet on the downstream surface of the media, which is gravitationally drained away by its weight. For maximum performance and efficiency, coalescing filters should be preceded by a general-purpose filter.


NTH **90-7011**


NTH **90-7070**


NTH **90-7071**


NTH **90-7081**

Features & Benefits

- Removes submicron particles, particularly oil
- Applications include paint spraying, pneumatic control instrumentation, printing and protection of air bearings
- For maximum efficiency, a pre-filter needs to be installed upstream
- Bonded end seals eliminate aerosol leakage past the element
- Inner and outer support ribs are chemical resistant and strengthen element structure
- Drain layers allow filtered elements to drop to bottom of filter with barrier to prevent re-entry of drops to downstream air

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Drain	Max. Flow Pressure	Filter Element
NTH **90-7011***	¼"	30	4 oz.	Metal bowl w/ glass sight	Manual Twist	250 psig	.03 micron
NTH **90-7070**	½"	37	6 oz.	Metal bowl w/ glass sight	Manual Twist	250 psig	.01 micron
NTH **90-7071***	½"	37	6 oz.	Metal bowl w/ glass sight	Auto Float	175 psig	.01 micron
NTH **90-7081***	¼"	24	6 oz.	Metal bowl w/ glass sight	Auto Float	175 psig	.01 micron

***Wall mount not included.**

Specifications subject to change without notice. Units may not be exactly as pictured.

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DRYAIRE™ MEMBRANE SYSTEM

- Advanced air-drying technology for shop use, lightweight, easy-to-install, and simple to operate.
- Maintains –40°F dew point while achieving 0% compressed air humidity.
- Removes oil and sub-micron particles down to 0.1 micron.
- Stage 1 filter provides removal of water and contaminants down to 5 microns.
- Stage 2 coalescer provides removal of oil and sub-microns particles down to .01 microns.
- Stage 3 membrane dryer is maintenance free, no regeneration required.

FILTER CAPACITY: 30 cfm @ up to 175 psi



Item No.	Model	Description
SPR **6770**	6770	Membrane System
SPR **22645**	—	Stage 1 Replacement Filter
SPR **23075**	—	Stage 2 Replacement Coalescer

707F 3/4 IN. IN-LINE FILTER W/OVERNIGHT DRAIN



- Removes all liquids – oil and water
- Filters particulate down to 5 microns
- Air inlet & air outlet: ¾" NPT
- Large reusable filter element (*SPR* **1-707F-19**)
- Disassemble and clean without tools
- Max operating pressure 175 psi
- Max Temperature 150°F (65°C)
- Air Flow Capacity 115 cfm

Item No.	Model	Description
SPR **6920**	707F	In Line Filter w/ auto drain
SPR **23080**	1-707F-19	Replacement Filter Element

F88M MECHANIC'S AIR FILTER



- A filter designed for the mechanic who wants to protect his investment in air tools
- Portable, mounts easily anywhere
- 5 Micron filtration
- Designed for use with quick couplers
- Air Inlet: ¼" NPT
- Air Outlets: ¼" NPT and ¼" NPT (plugged)
- Max. operating pressure 160 psi (13.6 bar)

FILTER CAPACITY: 75 cfm

Item No.	Model	Description
SPR **8135**	F88M	Air Filter w/Quick Connect
SPR **32719**	1-F88-19	Replacement Filter Element

606 AIR FILTER



- Features large reusable edge type filter element
- Most effective at removing water, oil, contamination
- 5 Micron filtration
- Air Inlet: ¼" NPT
- Two Air Outlets: ¼" NPT
- Max. operating pressure 160 psi (13.6 bar)

FILTER CAPACITY: 120 cfm

Item No.	Model	Description
SPR **6710**	606	Air Filter (120 cfm)
SPR **19930**	1-303-19	Replacement Filter Element

F88 AIR FILTER



- Features a reusable edge type filter element
- Highly effective at removing water, oil, contamination
- 5 Micron filtration
- Air Inlet: ½" NPT
- Air Outlets: ⅜" NPT and ¼" NPT (plugged)
- Max. operating pressure 160 psi (13.6 bar)

FILTER CAPACITY: 75 cfm

Item No.	Model	Description
SPR **8130**	F88	Air Filter (75 cfm)
SPR **32719**	1-F88-19	Replacement Filter Element

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AIR LINE REGULATORS

Pneumatic equipment that operates at higher than recommended pressure can cause excess torque, force and wear and can waste compressed air. Operating below specified pressure can cause machines to fail to meet their design performance specifications. Therefore, precise air pressure control is essential to efficient operation of air-powered equipment. An air line regulator is a specialized control valve which reduces upstream supply pressure level to a specified constant downstream pressure.

Features & Benefits

- Self-relieving style units for worry-free operation
- Features three-position non-rising knob—push to lock, pull to adjust, detachable to make tamper resistant
- T-handle available on ¾" and above
- Polished brass valve set ensures regulated pressure will not drift
- Efficient aspirator (minimum pressure drop) ensures quick response, high cycles and higher production


NTH **90-7012**


NTH **90-7760**


NTH **90-7750**


NTH **90-725**


NTH **90-728**

Item No.	Pipe Size	Max. Flow SCFM	Adjustment Type	Pressure Gauge	Gauge Port	Operating Temp. Range	Adjustment Range
NTH **90-725*,†**	1/4"	25	Adjustable knob	Included	1/8" NPT	40° - 120° F	5 to 125 psig
NTH **90-728****	1/4"	25	Adjustable knob	Included	1/8" NTP	40° - 120° F	5 to 125 psig
NTH **90-7710**	1/4"	50	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7730**	3/8"	80	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7750**	1/2"	100	Adjustable knob	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7780**	3/4"	220	T-Handle	Included	(2) 1/4" NPT	40° - 120° F	5 to 125 psig
NTH **90-7012**	1/4"	30	Adjustable knob	Included	(2) 1/4" NTP	40° - 120° F	5 to 125 psig
NTH **90-7760**	1/2"	100	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig
NTH **90-7770**	3/4"	220	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig
NTH **90-778**	1"	250	T-Handle	Included	(2) 1/4" NTP	40° - 120° F	10 to 250 psig

***Mini unit with metal body**
****Lightweight mini unit with nylon body**
† **Replacement Gauge** *NHT* **90-720.**

AIR LINE LUBRICATORS

Most pneumatic system components and air tools require oil lubrication for proper operation and long service life. Filtered and regulated air enters the lubricator and is mixed with oil in an aerosol mist. The air is then routed to the operating system.

Features & Benefits

- Extends life of downstream components
- Injects a fine stream of oil into the air stream to automatically lubricate air-operated tools and other devices
- Precisely controls oil feed with needle valve adjustment knob
- Minimizes pressure drop to the air system
- Features three-position, non-rising knob—push to lock, pull to adjust, detach to make tamper resistant
- Maximizes air flow
- Allows for precise visual adjustment control
- Requires low flow to establish drip rate


NTH **90-740**


NTH **90-799**


NTH **90-7920**


NTH **90-7014**

Item No.	Pipe Size	Max. Flow SCFM	Bowl Capacity	Bowl Type	Operating Temp. Range	Max. Flow Pressure	Oil Delivery
NTH **90-740***	1/4"	16	1 oz.	Poly bowl with no bowl guard	40° - 125° F	150 psig	1 scfm
NTH **90-7880**	1/4"	16	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7890**	1/4"	16	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7900**	3/8"	82	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7910**	3/8"	82	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7920**	1/2"	142	5 oz.	Poly bowl with bowl guard	40° - 125° F	150 psig	2 scfm
NTH **90-7930**	1/2"	142	6 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-799**	3/4"	142	20 oz.	Metal bowl with sight glass	40° - 160° F	200 psig	2 scfm
NTH **90-7014**	1/4"	16	3 oz.	Metal bowl s/ sight glass	40° - 160° F	200 psig	2 scfm

*** IMPORTANT:** *NTH* **90-740 is a mini unit**

Specifications subject to change without notice. Units may not be exactly as pictured.

EVERCRAFT

AIR PRESSURE FILTER/REGULATOR

Features bottom water drain.
Filters and regulates air pressure.

Specifications

Air Inlet: ..... 1/4" NPT
Pressure Gauge: ..... 0-140 PSI
Working Pressure: ..... 135 PSI

BK **776-3762**



EVERCRAFT

AIR PRESSURE FILTER/LUBRICATOR/ REGULATOR

Filters, regulates and adds lubricant to air for air tool operation.

Specifications

Air Inlet: ..... 1/4" NPT
Max. Inlet Pressure: ..... 135 PSI
Working Pressure: ..... .0-140 PSI

BK **776-3763**



EVERCRAFT

AIR PRESSURE DIAPHRAGM REGULATOR & GAUGE

Regulates and maintains proper air pressure, prolonging air tool life.

Specifications

Air Inlet: ..... 1/4" NPT
Gauge Range: ..... 0-180 PSI
Max. Air Inlet Pressure: ..... 160 PSI

BK **776-3768**



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OIL REMOVING AIR CONTROL UNIT

This 40 SCFM air control unit comes with a water-removing filter which features a 40-micron sintered bronze element and a .01 oil-removing filter with a pop-up indicator that lets you know when it is time to change the oil-removing filter element. Both units are equipped with 6 oz. poly bowls, sight glasses and overnight drains. This unit comes with 5 air outlets; 2 outlets are not regulated and 3 outlets are regulated.

NTH **90-7030**



NAPA Tire Hardware

Arrow Pneumatics

COMBINATION FILTER & OIL REMOVING FILTER UNIT

This 40 SCFM oil-removing unit comes with a standard filter which features a 40-micron sintered bronze element, metal bowl with sight glass, and overnight drain followed by a .01 oil removing filter with a pop-up indicator that lets you know when it is time to change the oil removing filter element. Both units are equipped with 6 oz. bowls.

NTH **90-7031**



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1/2 IN. NPT WATER DRAIN

Automatically expels liquids from piping network in compressed air systems. For use in low spots in an air system where water is likely to accumulate. Float type drain features a protective screen with umbrella baffle, providing large sump area for oil, sludge and dirt. Max pressure is 175 PSI.

NTH **90-701**



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2-QUART 1/2 IN. DESICCANT FILTER

This unit is a must for all paint shops. Two-quart desiccant filter lowers the dew point to -30 degrees and removes all water in vapor and liquid form. When the beads turn from blue to pink, it is time to change the beads. Includes 2 quarts of desiccant beads (*NTH* **90-732**).

Specifications

NPT: ..... 1/2"
SCFM: 25
Desiccant Charge: ..... 2 quarts

NTH **90-730**



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1-QUART 1/2 IN. DESICCANT FILTER

This unit is a must for all paint shops. One-quart desiccant filter lowers the dew point to -30 degrees and removes all water in vapor and liquid form. When the beads turn from blue to pink, it is time to change the beads. Includes 1 qt. of desiccant beads (*NTH* **90-732**).

Specifications

NPT: ..... 1/2"
SCFM: 15
Desiccant Charge: ..... 1 quart

NTH **90-731**



Specifications subject to change without notice. Units may not be exactly as pictured.

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ECONOMY 1-QT. FILTER/DRYER COMBO

This unit features a .03 oil removing filter with a pop-up indicator which lets you know when to change the oil removing filter element. The desiccant beads lower the dew point to 30 degrees and remove any water vapor or liquid. When the beads turn from blue to pink it is time to change the beads. Unit comes with 1-quart desiccant beads and ball shutoff valve.

Part No.	Max. Pressure	Filter Port Size
NTH **90-4000**	200 PSI	1/2" NPT

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MINI IN-LINE DISPOSABLE DESICCANT DRYER

Ideal for spray guns. Desiccant dryer features a 40-micron, sintered bronze element that removes fine dirt particles while oil removing media eliminates oil vapor and desiccant beads absorb water vapor. Attaches directly to spray gun or mini regulator located on the spray gun. Bi-directional unit with 1/4" NPT. Blue desiccant beads lower the dew point and removes all water vapor. Beads turn pink when it is time to replace the filter/dryer. Max flow is 15 SCFM and max working pressure is 125 PSI.

NTH **90-729-2**

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DRYAIRE™ DESICCANT SYSTEM

- The painter's protection for removing dirt, water, oil and uncondensed moisture from compressed air lines.
- 100% Indicating silica gel provides maximum moisture absorption
- Easy desiccant change out, regenerate, or replace (*SPR* **6765-1**). Changes color when saturated
- Maintains –40° F dew point while achieving 0% compressed air humidity
- Filtering capacity 30 cfm, up to 175 psi
- Stage 1 Air filter includes auto drain and 5-micron filter
- Stage 2 Coalescer with auto drain removes oil particles down to .01 micron
- Stage 3 Desiccant dryer, 30 cfm capacity

Self-relieving air regulators, mounting bracket, and shut-off valve included.

Item No.	Model	Description
SPR **6760**	6760	Desiccant System (includes desiccant beads)
SPR **22645**	—	Stage 1 Replacement Filter
SPR **23075**	—	Stage 2 Replacement Coalescer
SPR **6765-1**	6765-1	Stage 3 5 lbs. Can Replacement Desiccant Beads

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UNIVERSAL MOUNTING BRACKET

Mounting bracket for all standard and midflow regulators. Can also be used for all standard FRL combo units. Silver finish.

NTH **90-4001**

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REPAIR KIT

Air line regulator repair kit.

NTH **90-780**

Tire Hardware
Arrow Pneumatics



AIR LINE FILTER BOWL

Bowl kit with metal guard for manual drain types.

NTH **90-760**

Tire Hardware
Arrow Pneumatics



3-WAY SLIDE SAFETY VALVE

3-Way OSHA 1/2" port size lockout valve which exhausts all downstream pressure when closed. Can be locked in the closed position with padlock (not included).

NTH **90-726**

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AIR LINE QUICKCLAMP

Modular insert for standard series components. Unit flanges slide into Quickclamp grooves and positive seal is created when clamp is closed and screw is tightened.

NTH **90-7414**

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QUICKMOUNT PIPE ADAPTERS

For use with *NTH* **90-7414** to provide threaded connections to system piping.

Item No.	Description
NTH **90-7986**	1/4" Port Size
NTH **90-7987**	3/8" Port Size
NTH **90-7989**	3/4" Port Size

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AIR LINE QUICKCLAMP WALL MOUNTING BRACKET
For use with Quickclamp for secure wall, machine or flat surface mounting. Uses 7/32" screws.
NTH **90-7418**



AIR LINE WALL MOUNTING BRACKET
For use securing modular units to a wall, machine or flat surface.
NTH **90-7420**



QUICKCLAMP & WALL MOUNTING BRACKET
Combination of Quickclamp (*NTH* **90-7414**) and Wall Mount Bracket (*NTH* **90-7418**). Uses 7/32" screws.
NTH **90-7412**



AIR LINE PORTING BLOCK
Allows three additional 1/4" outlets when installed between Quickclamps. Provides filtered and regulated air for paint spraying and other applications when placed in a modular group between a regulator and lubricator.
NTH **90-7416**



AIR LINE MANIFOLD BLOCK
Attaches to the outlet port of any standard size modular unit to allow 3 additional 1/4" outlet ports.
NTH **90-7422**



AIR LINE PANEL MOUNT RING
Panel mount ring for mounting standard series modular regulators and filter regulator combos.
NTH **90-7424**



AIR LINE QUICKCLAMP
Modular insert for intermediate series components. Unit flanges slide into Quickclamp grooves and positive seal is created when clamp is closed and screw is tightened.
NTH **90-7016**



AIR LINE QUICKCLAMP & WALL MOUNTING BRACKET
Combination of Quickclamp (*NTH* **90-7015**) and Wall Mount Bracket (*NTH* **90-7016**). Uses 3/16" screws.
NTH **90-7017**



AIR LINE QUICKCLAMP WALL MOUNTING BRACKET
For use with Quickclamp for secure wall, machine or flat surface mounting. Uses 3/16" screws.
NTH **90-7015**



MODULAR LUBRICATOR PARTS & ACCESSORIES
Not Illustrated
For use with 1 3/8" modular series clamp size.

Description	Item No.
Metal Bowl with Sight Glass	*NTH* **90-763**
Plastic Bowl with Bowl Guard	*NTH* **90-7940**
Manual Lubricator Drain	*NTH* **90-7680**
O-ring for Metal and Plastic Bowls	*NTH* **90-7982**
Wall Mounting Bracket	*NTH* **90-7420**
Sight Feed Dome	*NTH* **90-798**

MODULAR FILTER PARTS & ACCESSORIES
Not Illustrated
For use with 1 3/8" modular series clamp size.

Description	Item No.
Automatic Drain Kit	*NTH* **90-764**
Plastic Bowl with Bowl Guard	*NTH* **90-7600**
Manual Lubricator Drain	*NTH* **90-7680**
Filter Element (5-micron porous polypropylene)	*NTH* **90-7700**
Filter Element Professional	*NTH* **90-7580**
Filter Repair Kit	*NTH* **90-7650**
O-ring for Metal and Plastic Bowls	*NTH* **90-7982**
Wall Mounting Bracket	*NTH* **90-7420**

MODULAR REGULATOR PARTS & ACCESSORIES
Not Illustrated
For use with 1/8" modular series clamp size.

Description	Item No.
Gauge (0-160 PSI)	*NTH* **90-782**
Wall Mounting Bracket	*NTH* **90-7420**
Panel Mounting Ring	*NTH* **90-7424**
Repair Kit	*NTH* **90-7810**

Specifications subject to change without notice. Units may not be exactly as pictured.

NAPA Tire Hardware Arrow Pneumatics



NTH **90-710**



NTH **90-713**



NTH **90-712**



NTH **90-732**

DESICCANT FILTER PARTS & ACCESSORIES

Item No.	Description	Fits These Dryers
NTH **90-710**	Repair Kit (Threaded Rod, Exhaust Tube and Adapter Assembly, Washer, Retaining Ring and Cap Nut)	—
NTH **90-713**	Repair Kit (Threaded Rod, Exhaust Tube and Adapter Assembly, Washer, Retaining Ring and Cap Nut)	—
NTH **90-712**	Replacement DP Pop-Up Indicator Kit	*NTH* **90-730** 2-qt. Bowl and *NTH* **90-731** 1-qt. Bowl
NTH **90-732**	Replacement Desiccant Beads (1 qt. container)	*NTH* **90-730** 2-qt. Bowl and *NTH* **90-731** 1-qt. Bowl

AIR LINE REPLACEMENT PARTS

Not Illustrated

Item No.	Description	For Use with Item No.	Port Size NPT	Flow SCFM	Operation Range
NTH **90-7019**	Replacement 5μ Filter Element	*NTH* **90-7010** and *NTH* **90-7013**	—	—	—
NTH **90-7020**	Replacement 40μ Filter Element	*NTH* **90-7010** and *NTH* **90-7013**	—	—	—
NTH **90-716**	Mounting Bracket and Nut	*NTH* **90-7245**	—	—	—
NTH **90-720**	Replacement Gauge	*NTH* **90-7245** and *NTH* **90-715**	1/8"	16	5-160 psig
NTH **90-721**	Panel Mounting Nut	*NTH* **90-7245** and *NTH* **90-715**	—	—	—
NTH **90-7021**	Replacement Coalescing Element	*NTH* **90-7011**	—	—	—
NTH **90-735**	Filter/Regulator/Lubricator	*NTH* **90-715**	1/4"	10	5-100 psig
NTH **90-764**	Auto Drain Kit	*NTH* **90-701**	—	—	—
NTH **90-722**	Mounting Bracket	*NTH* **90-740**	—	—	—
NTH **90-798**	Sight Feed Dome	*NTH* **90-740**	—	—	—
NTH **90-706**	Wall Mounting Bracket	*NTH* **90-705**	—	—	—

ELECTRIC AIR COMPRESSOR DRAIN

No more crawling under the compressor tank to manually open the tank drain. Simply install the Economatic Electric Drain. The drain can be adjusted to open and expel water from 1 to 60 minute intervals and the drain time (time the drain stays open draining water) can be adjusted from 1 to 30 seconds. Electric drain comes with a Y strainer which protects the drain by trapping and debris. Max working pressure is 200 PSI. 1/4" NPT.

NTH **90-7001**



Air Compressors

NAPA® REFRIGERATED COMPRESSED AIR DRYERS

Designed specifically for use with compressed air systems to extend the life of tools and equipment in shop and industrial settings. A NAPA® Refrigerated Compressed Air Dryer added to your air system will, over time, pay for itself by eliminating water vapor from the line and extending the life of your tools and equipment. Water vapor removal is important to all shop air systems, but essential for paint and body shops where moisture can ruin paint finish. Only Environmentally friendly R134a refrigerant is used in NAPA® Refrigerated Compressed Air Dryers.



VARIABLE FLOW REFRIGERATED COMPRESSED AIR DRYERS

The Variable Flow line is focused on reliable, constant dew point in all flow conditions. With its excellent heat transfer coefficients and low pressure drop, these dryers provide unparalleled performance for protecting your compressed air system, machinery, tools and working processes.

- Patented multi-stage separator for consistent dew point even at low flows
- 98%+ separation efficiency throughout the entire flow range
- Ozone-safe R134A refrigerant
- Refrigerant analyzer gauge
- Lightweight and compact design
- Integral precooling and reheating of compressed air for high efficiency and low energy consumption
- Heavy-duty industrial powder coated cabinet

The variable flow line is focused on reliable, constant dew point performance in all flow conditions. Must be a minimum of 30 feet from compressor.

Item No.	Capacity* (CFM)	Minimum Circuit Amps	Voltage (Phase)	Designed/Max. Inlet Temperature	Connection (In. NPT)	Dimensions H x W x D (In)	Weight (lbs.)
NAC **82-0010**	10	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	71
NAC **82-0015**	15	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	74
NAC **82-0025**	25	5.2	115 (1)	100°/140°F	1/2	15 x 16 x 16	76
NAC **82-0040**	40	6.9	115 (1)	100°/140°F	3/4	15 x 16 x 16	78
NAC **82-0150**	50	6.9	115 (1)	100°/140°F	3/4	15 x 16 x 16	80
NAC **82-0160**	60	9.7	115 (1)	100°/140°F	3/4	16 x 16 x 16	102
NAC **82-0175**	75	9.7	115 (1)	100°/140°F	1	22 x 24 x 18	124
NAC **82-01100**	100	13.6	115 (1)	100°/140°F	1	22 x 24 x 18	138
NAC **82-01125**	125	18.3	115 (1)	100°/140°F	1	22 x 24 x 18	156
NAC **82-01150**	150	18.3	115 (1)	100°/140°F	1	22 x 24 x 18	162
NAC **82-01200**	200	14.8	208/230 (1)	100°/140°F	1/2	30 x 36 x 25	240

*** Capacity rated in accordance with CAGI ADF 100 @ 100 PSIG, 100° ambient and PDF of 38°F**

HIGH INLET TEMPERATURE REFRIGERATED COMPRESSED AIR DRYERS

The NAPA® High Inlet Temperature Refrigerated Air Dryers have been designed specifically for use with smaller air compressors that typically do not incorporate an aftercooler. These dryers can accept compressed air up to a temperature of 250°F and provide clean dry air at the outlet.

- Allows inlet temperatures of up to 205°F
- Ozone-safe R134A refrigerant
- No air-cooled aftercooler required
- Designed dew point range 50°F and 38°F
- Compact and efficient design
- Automatically removes and discharges moisture
- Heavy-duty industrial powder coated cabinet

The NAPA High Inlet Temperature Refrigerated Air Dryers are specifically designed for use with smaller air compressors that typically do not incorporate an aftercooler. Can be installed near the compressor.

Item No.	Capacity* (CFM)	Minimum Circuit Amps	Voltage (Phase)	Designed/Max. Inlet Temperature	Connection (In. NPT)	Dimensions H x W x D (In)	Weight (lbs.)
NAC **82-0220**	20	9.9	115 (1)	180°/205°F	1/2	15 x 16 x 16	95
NAC **82-0240**	40	13.6	115 (1)	180°/205°F	1	22 x 24 x 18	125
NAC **82-0250**	50	13.6	115 (1)	180°/205°F	1	22 x 24 x 18	140
NAC **82-0275**	75	18.3	115 (1)	180°/205°F	1	22 x 24 x 18	240
NAC **82-02100**	100	18.3	115 (1)	180°/205°F	1 1/2	30 x 36 x 25	330
NAC **82-02125**	125	14.8	208/230 (1)	180°/205°F	1 1/2	30 x 36 x 25	360

*** Capacity rated @ 175 PSIG, 180° inlet, 100° ambient and PDF of 50°F. Ambient inlet temperature range: 35°F - 120°F. Maximum inlet air temperature: 205°. System air pressure range: 30-200 PSIG.**

Contact your NAPA® Auto Parts Store for an application guide showing details about which dryers are best suited for your shop air system.

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

NON-CYCLING REFRIGERATED DRYER

Standard Features

- Dryer operation completely automatic
- PDP (Pressure Dew Point) LCD Indicator displays enhanced dryer information, and provides service reminders & remote alarms.
- Zero Loss Condensate Drain
- Inlet and Outlet on Same Side
- Eight Foot Power Cord
- 1 Year Full Package Warranty

Max Inlet:.....131°F
Max Ambient:.....95°F
Min Ambient: .....34°F
Reference conditions: .....CPX10-CPX180: 77°F ambient, 100° inlet, 100 psig, 38°F pressure dewpoint
Reference conditions: .....CPX225-CPX3000: 100°F ambient, 100° inlet, 100 psig, 38°F pressure dewpoint



NAC **CPX10** *NAC* **CPX1000**

Item No.	Volt/ PH/HZ	USE w/ hp	SCFM	WT (lb)	L x W x H (in)	Inlet/Outlet Conn. Size (in)	Refrig. Gas Type	PSIG	Heat Exchanger Material
115V/60/1 or 230V/60/1									
NAC **CPX10**	115/1/60	3	12	42	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX10-230**	230/1/60	3	12	42	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX20**	115/1/60	5	21	42	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX20-230**	230/1/60	5	21	42	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX30**	115/1/60	10	30	44	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX30-230**	230/1/60	10	30	44	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX40**	115/1/60	15	43	55	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX40-230**	230/1/60	15	43	55	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX60**	115/1/60	15	65	60	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX60-230**	230/1/60	15	65	60	14 x 20 x 18	0.50" NPT	R134a	232	Brazed Plate
NAC **CPX80**	115/1/60	20	83	97	15 x 20 x 30	1.00" NPT	R404A	188	Aluminum
NAC **CPX80-230**	230/1/60	20	83	97	15 x 20 x 30	1.00" NPT	R404A	188	Aluminum
NAC **CPX100 (A6)**	115/1/60	25	106	97	15 x 20 x 30	1.00" NPT	R404A	188	Aluminum
NAC **CPX100-230**	230/1/60	25	106	97	15 x 20 x 30	1.00" NPT	R404A	188	Aluminum
NAC **CPX125**	115/1/60	30	127	117	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
NAC **CPX125-230**	230/1/60	30	127	117	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
NAC **CPX150 (A7,5)**	115/1/60	40	145	132	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
NAC **CPX150-230**	230/1/60	40	145	132	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
NAC **CPX180 (A8)**	115/1/60	40	184	143	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
NAC **CPX180-230**	230/1/60	40	184	143	18 x 23 x 31	1.50" NPT	R404A	188	Aluminum
230V/60/1									
NAC **CPX225**	230/1/60	50	200	176	23 x 24 x 35	1.50" NPT	R404A	188	Aluminum
NAC **CPX270**	230/1/60	60	230	176	23 x 24 x 35	1.50" NPT	R404A	188	Aluminum
460V/60/3									
NAC **CPX350**	460/3/60	60	270	282	29 x 35 x 38	2.00" NPT	R410A	188	Aluminum
NAC **CPX425**	460/3/60	75	360	321	29 x 35 x 38	2.00" NPT	R410A	188	Aluminum
NAC **CPX530**	460/3/60	100	500	348	29 x 35 x 38	2.00" NPT	R410A	188	Aluminum
NAC **CPX700**	460/3/60	150	600	364	29 x 35 x 38	2.00" NPT	R410A	188	Aluminum
NAC **CPX850**	460/3/60	175	860	717	40 x 43 x 60	3.00" NPT	R404A	188	Aluminum
NAC **CPX1000**	460/3/60	200	1000	738	40 x 43 x 60	3.00" NPT	R404A	188	Aluminum
NAC **CPX1200**	460/3/60	250	1216	771	40 x 43 x 60	3.00" NPT	R404A	188	Aluminum
NAC **CPX1500**	460/3/60	340	1,398	837	40 x 44 x 60	ANSI 6"	R404A	188	Aluminum
NAC **CPX1700**	460/3/60	350	1,760	1,212	40 x 83 x 60	ANSI 6"	R404A	188	Aluminum
NAC **CPX2500**	460/3/60	450	2,400	1,323	40 x 83 x 60	ANSI 6"	R404A	188	Aluminum
NAC **CPX3000**	460/3/60	500	2,966	1,433	40 x 83 x 60	ANSI 6"	R404A	188	Aluminum

FILTER SUPPORT OPTIONS*

Item No.	Description
NAC **4101000654**	Standard
NAC **4101000655**	Standard with Bypass

Only valid for CPXHT 25 and CPX 10-60.

Specifications subject to change without notice. Units may not be exactly as pictured.

Chicago Pneumatic

HIGH TEMPERATURE REFRIGERATED DRYERS

Standard Features

- Ideal for use with piston compressors that do not have an aftercooler or where air is over 130°F
- Dryer operation completely automatic
- PDP (Pressure Dew Point) LCD Indicator displays enhanced dryer information, and provides service reminders & remote alarms.
- Low current requirement - can share electrical lines
- 180°F Max Inlet Temp
- Copper/Stainless Steel Heat Exchanger
- Zero Loss Condensate Drain
- Inlet and Outlet on Same Side
- 1 Year Full Package Warranty
- Eight Foot Power Cord
- Ambient Air Condenser Filter

Max Inlet:.....180°F
Max Ambient:.....95°F
Min Ambient: .....34°F
Max Pressure:..... 232 psig
Reference conditions:.....100°F ambient, 100° inlet, 100 psig, 50°F pressure dewpoint



NAC **CPXHT50**



NAC **CPXHT75**

Item No.	Use w/ hp	Volt/ PH/HZ	SCFM	Refrig. Gas Type	PSIG	Inlet/Outlet Conn. Size (in)	Heat Exchanger Material	WT (lb)	L x W x H (in)
NAC **CPXHT25**	5-7	115/1/60	25	R134a	232	0.75" NPT	SS/Copper	57	14 x 15 x 19
NAC **CPXHT50**	10-15	115/1/60	50	R404A	232	1.00" NPT	SS/Copper	108	18 x 23 x 31
NAC **CPXHT75**	20	115/1/60	75	R404A	232	0.75" NPT	SS/Copper	168	18 x 23 x 31
NAC **CPXHT100**	25	115/1/60	100	R404A	232	0.75" NPT	SS/Copper	231	18 x 23 x 41
NAC **CPXHT125**	30	115/1/60	125	R404A	232	0.75" NPT	SS/Copper	236	18 x 23 x 41

**** CFM rated at 50ºF Dew Point.***

Specifications subject to change without notice. Units may not be exactly as pictured.

Air Compressors

AUTOMATIC DRAIN VALVE

Installed at bottom of tank, this valve opens briefly during each pumping cycle to release moisture condensed from the air.
(Max. pressure 200 PSI.)

NAC **82-166**



Air Compressors

AUTOMATIC TIMED ELECTRIC TANK DRAIN

NAC **1312100109**



Air Compressors



NAC **8940161654**



NAC **8940161655**

AUTOMATIC TIMED ELECTRIC TANK DRAIN

Item No.	Description
NAC **8940161654**	Automatic Timed Electric Tank Drain, 1/4"
NAC **8940161655**	Automatic Timed Electric Tank Drain, 1/2"

Air Compressors



NAC **8102852939**



NAC **8102852954**



NAC **8102852970**

AIR-LINE PRE-FILTERS

Item No.	Description	CFM
NAC **8102852939**	Air Line Pre-Filter, 1/2"	55
NAC **8102852954**	Air Line Pre-Filter, 3/4"	105
NAC **8102852970**	Air Line Pre-Filter, 1"	170

Air Compressors



NAC **2258290007**



NAC **2258290011**



NAC **2258290015**

AIR LINE PRE-FILTER REPLACEMENT FILTER ELEMENTS

Item No.	Description
NAC **2258290007**	Replacement Filter element for *NAC* **8102820910**
NAC **2258290011**	Replacement Filter element for *NAC* **8102820969**
NAC **2258290015**	Replacement filter element for *NAC* **8102821975**

Air Compressors



NAC **8940161776**



NAC **8940161782**



NAC **8940161783**



NAC **8940161784**

AIR LINE LUBRICATORS & REGULATORS

Item No.	Description	Connection Size
NAC **8940161776**	Air Line Lubricator	1/4"
NAC **8940161777**	Air Line Lubricator	3/8"
NAC **8940161778**	Air Line Lubricator	1/2"
NAC **8940161782**	Air Line Regulator	1/4"
NAC **8940161783**	Air Line Regulator	3/8"
NAC **8940161784**	Air Line Regulator	1/2"

FLEXZILLA

FLEXZILLA® ZILLAWHIP™ BALL SWIVEL WHIP HOSE



Flexzilla® is a revolutionary hose featuring a Premium Hybrid Polymer material that redefines flexibility. Flexzilla® hose characteristics offer zero memory allowing it to lay-flat exactly where you drop it. Won't work against you and coil during operation or after use. Flexzilla® offers extreme all-weather flexibility, even in sub-zero conditions. Offers superior flexibility for tight radius bends in both cold and warm environments. Engineered polymer-blend material permits use in environments where general-purpose PVC and runner hoses may become too stiff.

Item No.	Hose Length	Fitting Size	Working PSI
NPT **61-3843**	2'	1/4" MNPT	300
NPT **61-3844**	4'	1/4" MNPT	300

FLEXZILLA



ZILLA REEL™ WORKFORCE RETRACTABLE AIR HOSE REEL

Economical reel is perfect for indoor shop and industrial applications. The dual-supported axle can withstand the vibration of mobile installations and is idea for roll-around service carts. Reel can be mounted on wall, bench, task or overhead. Heavy-duty steel with corrosion-resistant powder coating and four-way directional rollers add convenience. Fasteners stay tight even in mobile installations, and narrow size is ideal for easy placement and storage. Spring motor is fully enclosed and packed with grease. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1466**

FLEXZILLA

ZILLA REEL™ RETRACTABLE AIR HOSE REEL



This retractable air hose reel with Flexzilla® premium air hose and bend restrictors is ideal for the home shop and features an auto-retract/auto-latch hose mechanism. Hose latches in 18" intervals. Made of durable polypropylene. Additional features include adjustable hose topper, 3' lead-in hose, and swivel mounting bracket for wall or ceiling. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1465**

Hose Reel Specifications

Item No.	Uses	Hose Length	Hose Inside Diameter	Hose End Fitting	Working Pressure (PSI)
BK **821-1465**	Air	50 Ft.	3/8"	1/4" NPT	150
BK **821-1466**	Air	50 Ft.	3/8"	1/4" NPT	300

Legacy

AUTO-REWIND REEL REPLACEMENT HOSE



For Air Hose Reel (*BK* **821-1366**) and Air/Water Hose Reel (*BK* **821-1367**). 3/8" I.D. x 50' L.

BK **715-9003**

Legacy

AUTO-REWIND AIR/WATER REEL WHIP HOSE



For use with Auto-Rewind Air/Water Hose Reel, *BK* **821-1366**.
Size: 3/8" x 5 ft. Ball Swivel Fitting: 1/4".

BK **827-2564**

Specifications subject to change without notice. Units may not be exactly as pictured. www.NAPAAirCompressors.com

Legacy

AUTO-REWIND AIR/WATER HOSE REELS

Medium-duty, easy-to-use auto-rewind hose reels are manufactured from durable, high-quality UV-stabilized polypropylene. Clock-type spring mechanism is factory preset for easy pulling and controlled rewind. Two-position switch enables user to choose between latching or free-run modes. Easy-to-install Mounting Bracket (*BK* **821-1371**) for wall or overhead installation included. Length: 50 ft.

Item No.	Description	Item No.	Description
BK **821-1369**	1/4" I.D.	*BK* **821-1367**	1/2" I.D.
BK **821-1366**	3/8" I.D.	*BK* **821-1368**	5/8" I.D.



BK **821-1366**



BK **821-1369**

Auto-Rewind Hose Reel Specifications

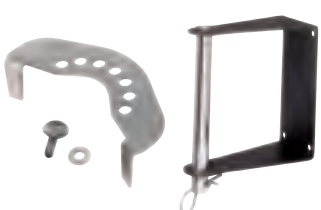
Transfers	I.D.	Type	Working Pressure (PSI)	Inlet	Outlet	10 Ft. Lead-in Hose Item No.	Hose Reel Item No.
Air	3/8"	PVC	350	3/4"-11 M.	1/4" NPTM.	*BK* **827-2550**	*BK* **821-1366**
Air/Water	1/2"	PVC	350	3/4"-11 M.	1/2" NPTM.	*BK* **827-2551**	*BK* **821-1367**
Hot Water	5/8"	PVC	130	3/4"-11 M.	3/4"-11 M.	*BK* **827-2554**	*BK* **821-1368**
Oxy-Acetylene	1/4"	Twin/Rubber	200	9/16" UNF	9/16" UNF F.	*BK* **827-2555**	*BK* **821-1369**



AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Air/Water Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368**, and *BK* **821-1369**). For bench, floor, or high-wall mounting.

BK **821-1370**



AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368** and *BK* **821-1369**). For wall or overhead mounting (supplied as standard).

BK **821-1371**



CONTRACTOR SERIES MANUAL HOSE REEL & PVC AIR HOSE

Designed for rugged job site conditions, this reel is loaded with features, such as tapered-spool sidewalls and easy-access inlet connections. Reinforced-steel construction, baked-enamel powder-coat finish, and increased hose capacity meet the needs of today's contractor! Included 50-foot Workforce air hose features reinforced PVC construction and solid brass fittings. Provided bend restrictor prolongs life of air hose. Brake prevents hose from unwinding. Included mounting bracket allows reel to be mounted to a wall, workbench or vehicle. Also features heavy-duty, 1/4-inch brass inlet swivel and swivel handle. Heavy-duty, reinforced-steel drum for durability and long life. Lead-in hose (3/8" I.D. x 3') included.

Specifications

Air Hose:.....3/8" I.D. x 50'
Hose Capacity:..... 100' of 3/8" I.D.
Max. Operating Pressure: ..... 350 PSI
Reel Air Inlet:.....1/4" MNPT
Working Pressure:..... 350 PSI

BK **821-1373**

Specifications subject to change without notice. Units may not be exactly as pictured.

SAMSON



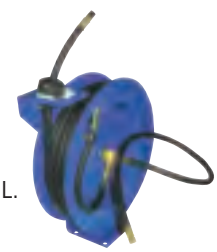
3/8 IN. HEAVY-DUTY AIR/WATER HOSE REEL
Double pedestal hose reel. Hose Size: 3/8" x 50' L. Outlet: 3/8" NPT. Inlet Hose: 1/2" x 2' L.
BK **395-1906**



1/2 IN. HEAVY-DUTY AIR/WATER HOSE REEL
Double pedestal hose reel. Hose Size: 1/2" x 50' L. Outlet: 1/2" NPT. Inlet Hose: 1/2" x 2' L.
BK **395-1908**



3/8 IN. HEAVY-DUTY NITROGEN HOSE REEL
Double pedestal hose reel. Hose Size: 3/8" x 50' L. Outlet: 3/8" NPT. Inlet Hose: 1/2" x 2' L.
BK **395-1907**



3/8 IN. ECONOMY AIR/WATER HOSE REEL
Double pedestal hose reel. Hose Size: 3/8" x 50' L. Outlet Size: 3/8" NPT. Inlet Hose: 1/2" x 2' L.
BK **823-1323**

Hose Reel Specifications

Type	Size (I.D. x L.)	Hose End Fitting	Working Pressure (PSI)	Item No.
Air/Water/Water-Based Fluids	1/4" x 50'	3/8" *NPT* (M)	300	*BK* **823-1323**
Air/Water/Water-Based Fluids	3/8" x 50'	3/8" *NPT* (M)	300	*BK* **395-1906**
Air/Water/Water-Based Fluids	1/2" x 50'	1/2" *NPT* (M)	300	*BK* **395-1908**
Nitrogen	3/8" x 50'	3/8" *NPT* (M)	300	*BK* **395-1907**

RETRACTABLE AIR/WATER HOSE REELS
Features circular hose guide with six rollers for smooth and easy operation. Can be latched at desired hose length, and guide arm can be mounted in three positions. Sintered, powder-coated aluminum base and arm assembly with corrosion-resistant, stainless steel fasteners. High-quality steel power spring for long life. For use with compressed air and low-pressure water. Inlet hose included.



3/8 IN. RETRACTABLE AIR/WATER HOSE REEL
Hose Length: 50 ft. x Outlet: 3/8" NPT (M). Inlet Hose: 1/2" NPT (M).
BK **823-1127**



1/2 IN. RETRACTABLE AIR/WATER HOSE REEL
Hose Length: 50 ft. x Outlet: 1/2" NPT (M). Inlet Hose: 1/2" NPT (M).
BK **823-1128**

Hose Reel Specifications

Item No.	Type	Size (I.D. x L.)	Working Pressure	Hose End Fitting
BK **823-1127**	Air/Water	3/8" x 50'	300 PSI	3/8" NPT (M)
BK **823-1128**	Air/Water	1/2" x 50'	300 PSI	1/2" NPT (M)

Specifications subject to change without notice. Units may not be exactly as pictured.

MICHIGAN INDUSTRIAL TOOLS

AUTOMATIC REWIND STEEL HOSE REEL



BK **821-1358**

Professional-grade Goodyear rubber air hose (250 PSI) stays flexible in cold weather. The heavy gauge, all-steel reel, driven by an internal spring-powered motor, neatly automatic rewinds and coils hose. Guided smoothly on and off the reel by an enclosed four-roller guide collar, air hose is locked at the desired length by a continuous, 8-position ratchet gear. This versatile reel can be mounted to ceiling, wall or floor - wherever it's convenient.

Item No.	Description
BK **821-1359**	50' x 3/8"
BK **821-1360**	50' x 1/2"

Legacy

FLEXZILLA™ AIR HOSE



Made from an engineered hybrid polymer, Flexzilla™ provides superior all-weather flexibility, even in freezing temperatures. High-visibility safety green, with excellent abrasion-resistant outer cover. Lightweight and easy to handle with reinforced bend restrictor.

Temperature Range: -40-150° F. Working Pressure: 300 PSI.

Item No.	Description
NPT **61-3894**	3/8" I.D. x 25' L.; 1/4" MNPT
NPT **61-3895**	3/8" I.D. x 50' L.; 1/4" MNPT
NPT **61-3892**	1/2" I.D. x 25' L.; 3/8" MNPT
NPT **61-3893**	1/2" I.D. x 50' L.; 3/8" MNPT

Legacy

RUBBER AIR/WATER HOSES



Workforce® economical rubber air and water hoses are ideal for a wide range of industrial, construction and agricultural applications. Feature reinforced, synthetic rubber tubes and covers. Synthetic yarn weave provides extra strength and flexibility.

Specifications

Max. Pressure:.....1,200 PSI (82.74 Bar)
Tube: .....VRMA Class C (Med. Oil Resistance)
Working Pressure:.....300 PSI (20.68 Bar)

Item No.	Description
NPT **61-3837**	1/4" I.D. x 25'; 1/4" MNPT
NPT **61-3838**	1/4" I.D. x 50'; 1/4" MNPT
NPT **61-3839**	3/8" I.D. x 25'; 1/4" MNPT
NPT **61-3840**	3/8" I.D. x 50'; 1/4" MNPT
NPT **61-3841**	1/2" I.D. x 25'; 3/8" MNPT
NPT **61-3842**	1/2" I.D. x 50'; 3/8" MNPT

AIR HOSE ASSEMBLIES



Working pressure with 4:1 safety factor. High quality, excellent abrasion and weathering resistance for long life. Lightweight, flexible, easy handling, extremely versatile and oil resistant. Temperature range from up to 150°F. Kink resistant.
Working pressure: 300 psi.

Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1513**	1/4"	1/2"	25'	Blue
BK **715-1515**	3/8"	5/8"	25'	Blue
BK **715-1516**	3/8"	5/8"	50'	Blue



AIR HOSE ASSEMBLIES

PVC air hose assembly features solid brass 1/4" MNPT fittings. Oil and abrasion resistant outer cover and extra strong polyester. Working pressure: 200 psi.

Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1522**	3/8"	1/4"	50'	Orange



SELF-STORING AIR HOSES

Stretch and recoil like a telephone cord. Equipped with spring guards, tube inserts and standard compression fittings. Tough, abrasion-resistant nylon construction. Maximum Working Pressure: 200 PSI.

Item No.	Description
BK **715-1510**	1/4" I.D. x 12' L.
BK **715-1500**	1/4" I.D. x 25' L.
BK **715-1511**	1/4" I.D. x 50' L.
BK **715-1503**	1/4" Straight Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1504**	1/4" Swivel Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1501**	3/8" I.D. x 25' L.
BK **715-1512**	3/8" I.D. x 50' L.
BK **715-1505**	3/8" Swivel Fitting (For *BK* **715-1501**, *BK* **715-1512**)
BK **715-1502**	1/2" I.D. x 25' L.

SAMSON

UNIVERSAL HOSE STOPS



Item No.	Description
BK **715-1556**	1/4" Hose
BK **715-1557**	3/8" Hose
BK **715-1558**	1/2" Hose

NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE



Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D.: .....1/4"
Lead in Hose Length : .....24"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : .....Yes
Flow Control Valve :.....No
Lead in Hose Material :.....PVC

NTH **90-450**

NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE



Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D. : .....1/4"
Lead in Hose Length : .....60"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : .....Yes
Flow Control Valve :.....No
Lead in Hose Material :.....PVC

NTH **90-452**

NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE

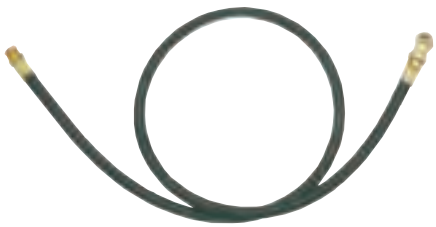


Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color :.....Red
Lead in Hose I.D. : .....3/8"
Lead in Hose Length : .....30"
Lead in Hose Thread Size :.....1/4" NPT
Ball Swivel End : .....Yes
Flow Control Valve :.....No
Lead in Hose Material :.....PVC

NTH **90-454**



LARGE TANK AIR HOSE

Replacement hose for large air tanks. Coupler includes tire chuck. Coupler Size: 1/4" x 1/4". Working Pressure: 200 PSI. Inner Diameter: 1/4".

BK **770-6995**



PORTABLE 5-GALLON AIR TANK

Heavy-duty, five-gallon portable air tank features with solid brass manifold and On/Off switch, as well as all brass fittings and chuck. High-grade, four-foot industrial hose and gauge. Dimensions: 10 1/2" dia. x 20" long. Working Pressure: 125 psi.

NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-1350**	Portable 5-Gallon Air Tank
BK **770-6996**	Replacement Gauge, 1/4" NPT
BK **770-6997**	Replacement Manifold



PORTABLE 10 GAL. AIR TANK

Heavy-duty tank features welded-steel construction and includes pressure gauge, filler valve, and four-foot heavy-duty hose with tire chuck. Working Pressure: 125 PSI. Dimensions: 12 1/2" Dia. x 20 1/2" L.

NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-7016**	Air Tank
BK **770-6996**	Gauge, 1/4" NPT Replacement
BK **770-6997**	Manifold, Replacement

Specifications subject to change without notice. Units may not be exactly as pictured.

Tire Hardware

REPLACEMENT GAUGE & MANIFOLD

Replacement parts for Portable Five- and Eight-Gallon Air Tanks (*BK* **821-1350** and *BK* **821-7016**).



Item No.	Description
BK **770-6996**	Gauge, 1/4" NPT
BK **770-6997**	Manifold

ON-SITE CRIMPER KIT

Tote with lid contains everything needed for on-site hose make-up and repair. Includes crimper, fittings, couplings, and ferrules.

NTH **90-925**



Contents

Qty.	Item No.	Description
1	*NTH* **90-910**	Hose Crimper
5	*NTH* **90-542**	1/4" Male NPT fitting for 3/8" ID hose
5	*NTH* **90-546**	1/4" Male NPT fitting for 1/4" ID hose
3	*NTH* **90-552**	Repair coupling for 3/8" ID hose
3	*NTH* **90-556**	Repair coupling for 1/4" ID hose
10	*NTH* **90-916**	Ferrules for 5/8" OD hose
10	*NTH* **90-919**	Ferrules for 3/4" OD hose



AIR HOSE CRIMPER

Provides production capability and big tool crimping advantages at a fraction of the cost of other tools offering comparable results. Constructed with high-strength ductile iron castings. Five hardened steel ribbed die sets are included for crimping 1/4" 1-braid through 3/8" 2-braid compressed air line hose. All of the dies are in place for instant use. Unit is completely portable. Use with the brass ferrules listed below and standard hose barb fittings shown on the next page. Easy one-hand operation. Designed to make-up new air line hoses or repair cracked or broken air hoses. 1/pack.

NTH **90-910**



HOSE CRIMPER REPLACEMENT DIE

Each contains a replacement crimping die set for larger size hose. Simply remove a die set from the *NTH* **90-910** and replace with the die set needed.

Item No.	Description
NTH **90-910A**	For Crimping Hose With This O.D. 3/4"
NTH **90-910B**	For Crimping Hose With This O.D. 13/16"

HOSE FERRULES

Pick ferrule that most closely matches outside diameter of hose. Sold in packs of 25.

Item No.	For Hose O.D.
NTH **90-913**	1/2"
NTH **90-914**	9/16"
NTH **90-915**	19/32"
NTH **90-916**	5/8"
NTH **90-917**	21/32"
NTH **90-918**	11/16"
NTH **90-919**	3/4"
NTH **90-920**	25/32"
NTH **90-921**	13/16"
NTH **90-922**	7/8"



3-IN-1 ALUMINUM MANIFOLD ADAPTER

Allows for operation of three different tools from one supply hose. Mounts overhead or to pipe at workbench and permits multiple workers to access air supply.



Item No.	Description
NTH **90-459**	1/4" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports
NTH **90-4591**	1/2" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports

IN-LINE AIR TOOL FILTER

In-line filter protects air tools from dirt and debris and can be attached directly to pneumatic tools. Male and female 1/2" NPT ends.



Specifications

Length: ..... 19/16"
Weight: ..... 1/2 oz.
Filter material: ..... 40 micron sintered bronze element

NTH **90-7502**






NTH **90-571** *NTH* **90-560** *NTH* **90-568** *NTH* **90-562**

REUSABLE HOSE FITTINGS

Make airtight connections without hose clamps. Must closely match hose O.D and I.D with dimensions in table below.

Item No.	Hose I.D.	Hose O.D.
1/4" NPT Hose End Fittings		
NTH **90-571**	1/4"	1/2"
NTH **90-572**	1/4"	1/4"
NTH **90-570**	1/4"	5/8"
NTH **90-562**	3/8"	23/32"
Repair Couplings		
NTH **90-568**	1/4"	19/32"
NTH **90-564**	1/4"	5/8"
NTH **90-560**	3/8"	3/4"

Specifications subject to change without notice. Units may not be exactly as pictured.

NAPA Tire Hardware


NTH **90-541**


NTH **90-458**


NTH **90-457**

STANDARD HOSE BARB FITTINGS

Select fitting that matches correct hose I.D. Fittings must be secured with hose clamp or crimped-on ferrule (see *NTH* **90-910** hose crimper).

Item No.	Hose I.D.	Thread Size
Male Thread Fittings		
NTH **90-547**	1/4"	1/8" NPT
NTH **90-546**	1/4"	1/4" NPT
NTH **90-546SS**	1/4"	1/4" NPT
NTH **90-544**	5/16"	1/4" NPT
NTH **90-542**	3/8"	1/4" NPT
NTH **90-542SS**	3/8"	1/4" NPT
NTH **90-540**	1/2"	1/4" NPT
NTH **90-543**	3/8"	3/8" NPT
NTH **90-541**	1/2"	1/2" NPT
Male Thread Fittings with 360° Ball Swivel		
NTH **90-456**	1/4"	1/4" NPT
NTH **90-458**	3/8"	1/4" NPT
Female Thread Fittings		
NTH **90-550**	1/4"	1/4" NPT
NTH **90-548**	3/8"	1/4" NPT

SWIVEL CONNECTOR

Features full 360° swivel to keep hose from twisting when using air operated tools and while paint spraying. Thread size: 1/4" NPT

NTH **90-459-2**



WARNING: Hose fittings featuring conventional hose barbs must be fastened with either a hose clamp or crimped on ferrule. Be sure to select a fitting that matches the inside diameter of the hose.

WARNING: With re-usable hose fittings, you can make an airtight connection without ferrules or hose clamps. A connection will be strong than the hose itself if the hose measurements match the outside and inside diameters listed on the above charts.

Disregarding these instructions and recommendations could cause the fitting to separate from the hose resulting in injury or property damage.

HOSE REPAIR SPLICERS

Item No.	Hose I.D.
NTH **90-556**	1/4"
NTH **90-554**	5/16"
NTH **90-552**	3/8"
NTH **90-558**	1/2"



THREADED BRASS PIPE COUPLING

Provides fast, easy and reliable means of joining pneumatic and fluid transfer lines. Designated separately by type 1. Inlet size: 1/4"

NTH **90-678**



LIFTING

2-Post Lifts & Accessories 611-622
4-Post Lifts & Accessories 623-632
Air/Hydraulic Pump 605
Air Lift Jacks 602
Bottle Jacks 603-604
Dollies 609
Engine Stands 608
Hydraulic Positioning Jack 609
Hydraulic Power Units 610
Hydraulic Ram Truck Jacks 602-603
Service Jacks 600-602
Mid-Rise Lifts 636-637
Mobile Column Lifts & Accessories 633-635
Motorcycle/ATV Lifts 602, 638-639
Portable Ram Kits 605
Runway Lifts 636
Scissor Lifts 636-638
Short-Rise Lifts 638
Transmission Jacks 606-607
Under Hoist Support Stands 607-608
Vehicle Stands 604-605

CARLYLE NAPA

3.5-TON LOW PROFILE, LONG REACH SERVICE JACK

Features

- Patent pending frame design provides low profile for access under low ground clearance vehicles. Distinct frame flange design for increased strength and prohibit damage from torsion loads.
- Low profile long lift arm throw giving access to under vehicle components.
- Patent pending front wheel design provides wide width look while providing less rolling resistance.
- Long two-piece handle for more reach under vehicle.
- Patent pending design Carlyle® saddle with NAPA® hexagonal logo shape includes rubber insert pad for undercar component protection against marring and scratching when pumping.
- High performance pressure seals for extended life and use in adverse temperature and pressure conditions.
- High performance hydraulic fluid with additives providing more lubricity, less contaminants and use in adverse temperature conditions.
- Factory full lubrication with moisture-resistant grease on all bearing surfaces.
- Load-limiting and bypass valves to prevent use beyond working capacity and over-extension of ram.

Specifications

Weight: ..... 102 lbs.
Dimensions: ..... 27.5" L x 14.56" W x 6.37" H
Jack Lift Distance: ..... 3.7" - 21"
Jack Closed Height: ..... 3.7" H
Jack Raised Height: ..... 21" H
Jack Saddle Diameter: ..... 4.56" (6-Sided)
Handle Length: ..... 50" L
Lift Capacity: ..... 3½ Ton



NLE **791-6440** Service Jack
NLE **791-6442** Replacement Saddle Pad

3.5-TON PROFESSIONAL SERVICE JACK

Best Seller

- 2 pump pistons (50% Faster to Load)
- Fully sealed hydraulic unit (Significantly Reduces "Air Bound" Conditions)
- No breather to install
- Fabricated steel lift arm
- Safety bypass valve prevents overloading
- Handle pad and lift saddle pad included



Item No.	Description
NLE **791-6420**	Professional Service Jack
NLE **791-7130**	Transmission Adapter
NLE **791-6421**	Handle Pad
NLE **791-6422**	Saddle Pad

TRANSMISSION JACK ADAPTER

Allows the *NLE* **791-6420** service jack to be used as transmission jack. Fits many 2-ton and 2.25-ton service jacks with removable saddles. Capacity is 700 lbs.

NLE **791-7130**



"THE FURIOUS JACK" LOW-PROFILE 2-TON PROFESSIONAL SERVICE JACK

The Furious Jack features a dual pump mechanism which raises the saddle to load 50% faster. A real time saver. Extremely low lift height of 2.75" to access vehicles with lower ground clearance.

NLE **791-6402**



2-TON ALUMINUM JACK

Lightweight, 2-ton lifting capacity aluminum jack is easy to maneuver and features automatic overload protection. Working range: 3.5" to 18.375".

NLE **791-6431**



2-TON ROADSIDE SERVICE JACK

- Designed for roadside assistance trucks and regular garages.
- As much as 25% lighter than other heavy-duty floor jacks
- Grab handles on either side for carrying
- Quick disconnect handle for storage

Saddle Dia. ..... 4.6"
Closed Height ..... 3.375"
Dimensions... 27.75" x 14.5" x 6.25"
Weight ..... 77 lbs.

NLE **791-6426**



Specifications

Item No.	Capacity	Low Height	High Height	Handle Length
NLE **791-6402**	2 Ton	2¾"	19⅝"	50¼"
NLE **791-6431**	2 Ton	3½"	18⅜"	47½"
NLE **791-6426**	2 Ton	3¾"	20½"	45¼"
NLE **791-6420**	3.5 Ton	4"	20½"	50"
NLE **791-6440**	3.5 Ton	3.7"	21"	50"

For your safety and to prevent injury, use service jack for lifting purposes only. Always support vehicle with jack stands.

ASME PASE-2014 SAFETY STANDARDS
American Society of Mechanical Engineers / Portable Automotive Lifting Devices. Formed in 1979 and accredited by ANSI (American National Standards Institute) Revisions: 1993, 1997, 2003, 2005, 2009. (current)

EVERCRAFT

2-1/4-TON COMPACT SERVICE JACK



Features

- Full 90° pumping arc
- Replaceable power unit
- Heavy gauge steel frame
- Large wide track front wheels
- Heavy-duty rear swivel casters

Specifications

Capacity ..... 2.25 Tons
Lifting Range ..... 5.25" – 19.5"
Dimensions..... 25.375" L x 13.375" W x 5.25" H
Handle Length..... 47"
Weight ..... 73 lbs.

BK **776-1007**

EVERCRAFT

2-TON FLOOR JACK



Features

- Lightweight design for easy mobility and transportation
- Overload and bypass valves prevent the jack from being used beyond its rated capacity
- Swivel casters and 360° rotating saddle make positioning easy

Specifications

Capacity ..... 2 Tons
Lifting Range ..... 5.3" - 13.19"
Dimensions..... 17.5" L x 7.875" W x 5.31" H
Handle Length..... 16.625"
Weight ..... 18.75 lbs.

BK **776-1005**

EVERCRAFT

2-TON HIGH LIFT TROLLEY JACK



Features

- Lightweight design for easy mobility and transportation
- Overload and bypass valves prevent the jack from being used beyond its rated capacity
- Swivel casters and 360° rotating saddle make positioning easy

Specifications

Capacity ..... 2 Tons
Lifting Range ..... 5.31" - 15.16"
Dimensions..... 19.68" L x 8.27" W x 5.31" H
Handle Length..... 19.68"
Weight ..... 28.66 lbs.

BK **776-1006**

EVERCRAFT

2-TON FLOOR JACK



Lightweight design for easy mobility and transportation. Overload and bypass valves prevent the jack from being used beyond its rated capacity. Swivel casters and 360° rotating saddle make positioning easy. Blow-molded case included for easy storage. Dimensions: 17.5" L x 7.875" W x 5.31" H.

BK **776-1004**

5-TON MANUAL SERVICE JACK

Features

- Extra-long chassis reaches under low overhangs
- T-handle permits easier maneuvering
- Extra-strong steel side plates resist twisting
- Full-swivel rear casters and lifting cap ease positioning
- Sealed hydraulic unit keeps out grit, grime and moisture
- Automatic valve prevents overloading
- Foot pedal for quicker saddle raising to the load

Specifications

Capacity: ..... 5 Ton
Low Height: ..... 5.75"
Raised Height:..... 22"
Length: ..... 55.5"
Chassis Width:..... 6.77"
Chassis Width
w/Swivel Caster Bracket:.... 14.72"
Handle Length:..... 45.75"
Saddle Diameter:..... 5.75"
Shipping Weight:..... 232 lbs.

NLE **791-6570**



10-TON SERVICE JACKS

Features

- Rugged solid steel side plates add strength
- Chassis and handle reach under long, low overhangs
- Low handle effort greatly reduces operator fatigue even at near-capacity loads
- Hydraulic unit base is sealed for long life and reliability – keeps out dirt and grime
- Large forged steel lifting cap adds durability
- Ball bearing mounted wheels and casters make positioning and maneuverability easy.
- Automatic valve prevents overloading

10-TON MANUAL SERVICE JACK

Specifications

Low Height: ..... 6.25"
Raised Height:..... 22.5"
Length: ..... 61"
Chassis Width:..... 7.0625"
Chassis Width
w/Swivel Caster Bracket:.... 18.5"
Handle Length:..... 45.75"
Saddle Diameter:..... 5.875"
Shipping Weight:..... 359 lbs.

NLE **791-6600**



10-TON AIR/HYDRAULIC SERVICE JACK

Jack operates manually or with air.

Specifications

Required Air Pressure:....100 PSI
Low Height: .....6.25"
Raised Height:.....22.5"
Length: .....61"
Chassis Width:.....7.75"
Chassis Width w/
Swivel Caster Bracket:....18.375"
Handle Length:.....45.75"
Saddle Diameter:.....5.875"
Shipping Weight:.....364 lbs.

NLE **791-6620**



10-TON AIR LIFT JACK

Jack features T-handle and 8' air hose for remote safe positioning and operation. Extension tubes and detent pins provide multiple lift heights and support after lifting. 8" diameter rubber wheels make maneuverability easy.

Specifications

Capacity ..... 10-Tons @ 200 PSI
Low Height ..... 17.75"
High Height ..... 49" w/ext. tubes
Dimensions..... 58" X 13.625" X 17.75"
Weight ..... 187 lbs.
Handle Length..... 37.5"
Saddle .....2" x 5"

NLE **791-7331**



20-TON ECONOMY AIR TRUCK JACK

Jack stands vertical for storage and features a self-retracting ram. Safety valves protect against overloading and over extension. Includes 2-ea. 4" high adapters.

Specifications

Jack Closed Height: ..... 8.625"
Jack Lift Distance: ..... 3.875"
Jack Raised Height:..... 15.3" includes 2.75" screw
Lift Capacity:..... 20 Ton
Shipping Weight:..... 53 lbs.

NLE **791-7332**



1,500-LB. MOTORCYCLE/ATV LIFT

Foot activated pump and release pedal provide hands free operation. Release pedal has metered control of lowering speed. Integrated locking device automatically adjusts to different lift heights and provides added safety. Perfect for ATVs, motorcycles and L&G equipment.

Specifications

Lift Caster Size... 2.75" Dia, 1.3" W
Lift Compressed Height..... 4"
Max. Raised Height ..... 17"
Lift Positions..... 4
Lockable Casters 2
Shipping Weight.....95 lbs.

NLE **791-6022**



EVERCRAFT™

1,000-LB. CAPACITY ATV/ MOTORCYCLE LIFT

Lift is ideal for motorcycles, ATVs, lawn and garden tractors and more. Easy foot pedal lifting and release gives you precise control.

Specifications

ATV Lift Base Size: .....29.94" L x 13.39" W.
Lift Range: ..... 5.12" to 13.78".
Shipping Weight: ..... 57.3 lbs.

BK **776-6010**



HYDRAULIC RAM 22/35-TON TRUCK JACK

Designed for use in truck and farm implement dealer service departments, bus company garages, truck fleet maintenance shops, and heavy-duty construction equipment facilities. Rugged and reliable, with the lifting power to handle big jobs.

Features

- Powerful, compact, portable design
- Large, eight-inch rubber wheels for easy maneuverability
- Low height for lifting from axles or suspension
- Built-in overload valve
- Two-stage Ram

Specifications

Capacity (1st Ram):.....35 Tons
Capacity (2nd Ram):.....22 Tons
Extension Screw: ..... 3.375"
Handle Length:..... 49"
Low Height: ..... 8.625"
Max. Height w/Extension Screw:..... 19.75"
Power Lift: ..... 7.75"
PSI Requirement: 100
Shipping Weight:..... 119 lbs.

NLE **791-7330**



PROFESSIONAL LIFTING EQUIPMENT



22-TON AIR/HYDRAULIC TRUCK JACK

Jack features overload and bypass safety valves to prevent the jack from being used beyond its rated capacity and ram overextension. Includes four adapters (1.875" & 2.65" diameter saddles and 2" and 4" extension adapters) with handle mounted saddle holder and 8" pneumatic wheels for easy maneuverability.

Specifications

Handle Length:..... 41.25"
Jack Closed Height: ..... 8.375"
Jack Raised Height w/Adapter & Extension Screw: ..... 21.375"
Jack Saddle Diameter:..... 1.75"
Lift Capacity:..... 22 Ton
Shipping Weight:..... 110 lbs.

NLE **791-3001**

12-TON FAST RISE BOTTLE JACK

Raises to load 6 times faster than regular jacks. Features Uniweld construction and flash chromed ram and pump piston to extend jack life.

Specifications

Jack Adjustable Screw Length:.....3.5"
Jack Closed Height: .....9.5"
Jack Lift Distance: .....5.875"
Jack Raised Height..... 18.875"
Lift Capacity:.....12 Ton
Weight: ..... 21.4 lbs.

NLE **791-2246**



20-TON FAST RISE BOTTLE JACK

Raises to load 6 times faster than regular jacks. Features Uniweld construction and flash chromed ram and pump piston to extend jack life.

Specifications

Jack Adjustable Screw Length:..... 2.75"
Jack Closed Height: ..... 10.75"
Jack Lift Distance: ..... 6.75"
Jack Raised Height:..... 20.25"
Lift Capacity:..... 20 Ton
Weight: ..... 29.3 lbs.

NLE **791-2247**



HYDRAULIC BOTTLE JACKS 12- & 20-TON

Always support vehicle with jack stands immediately after lifting.

Features

- Cast steel base for extra strength
- Pretapped base to accept pressure gauges
- Hydraulic bypass circuit prevents ram over-travel
- May be operated horizontally
- Automatic valve provides overload protection
- Complete seal kits available



NLE **791-2290** *NLE* **791-2230** *NLE* **791-2240** *NLE* **791-2330**

Specifications

Item No.	Capacity	Closed Height	Extension Screw	Maximum Height	Power Lift	Saddle Diameter	Base Size	Weight
NLE **791-2230**	12 Ton (Short)	7"	3"	13 1/2"	3 1/2"	1 3/4"	4 1/8" x 6 1/2"	16.3 lbs.
NLE **791-2290**	12 Ton	9 1/2"	3 1/8"	18 1/4"	5 5/6"	1 3/4"	4 1/8" x 6 1/2"	18.716 lbs.
NLE **791-2240**	20 Ton (Short)	7 1/4"	1 1/2"	12 1/8"	3 3/8"	2 1/8"	4 5/8" x 7 1/8"	19.816 lbs.
NLE **791-2330**	20 Ton	10 5/8"	—	16 7/8"	6 1/4"	2 1/8"	4 5/8" x 8 1/2"	37.9 lbs.



NLE **791-6010**



NLE **791-6020**

30- AND 50-TON HYDRAULIC BOTTLE JACKS

Always support vehicle with jack stands immediately after lifting.

Features

- May be operated horizontally
- Pretapped base to accept pressure gauges
- Automatic valve provides overload protection
- Complete seal kits available



NLE **791-2320**



NLE **791-2300**

AIR/HYDRAULIC BOTTLE JACKS

Features

- High speed air motor efficiently raises saddle to the desired height
- Finger tip control without sacrificing the performance of manual operation
- Versatile "Quick Connector" design provides for easy removal of air hose from air motor allowing compact storage or remote operation
- Uses standard shop air

Specifications

Item No.	Type	Capacity	Closed Height	Extension Screw	Maximum Height	Power Lift	Saddle Diameter	Base Size	Weight
NLE **791-2300**	Air/Hydraulic	12 Ton	10 1/4"	3"	20"	6 3/4"	1 3/4"	7 3/4" x 5 5/8"	25.5 lbs.
NLE **791-2320**	Air/Hydraulic	20 Ton	10 3/8"	3 1/4"	19 7/8"	6 1/4"	2 1/4"	8 7/8" x 6 1/2"	34.7 lbs.
NLE **791-6010**	Hydraulic	30 Ton	11"	—	17 1/2"	6 1/2"	2 3/8"	6 1/2" x 7 1/2"	40.9 lbs.
NLE **791-6020**	Hydraulic	50 Ton	11 7/8"	—	18 7/8"	7"	2 1/2"	8 1/2" x 7"	77.6 lbs.

EVERCRAFT



BK **776-1039**

BK **776-1021**

BK **776-1042**

BOTTLE JACKS

Features

- Heavy-duty wide base design for increased stability
- Extension screw adjusts to accommodate desired work height
- Overload and bypass valves prevent the jack from being used beyond its rated capacity and prevent over extension of ram

Specifications

Item No.	Capacity	Closed Height	Raised Height	Additional Adj. Screw	Weight
BK **776-1037**	2 Tons	6.22"	12.13"	2.36"	5.06 lbs.
BK **776-1038**	4 Tons	7.09"	13.78"	2.36"	7.04 lbs.
BK **776-1039**	6 Tons	7.75"	15.04"	2.36"	9.68 lbs.
BK **776-1040**	8 Tons	8.07"	15.35"	2.36"	11.88 lbs.
BK **776-1021**	12 Tons	7.48"	13.78"	2.36"	14.3 lbs.
BK **776-1041**	12 Tons	8.46"	15.75"	2.36"	15.84 lbs.
BK **776-1022**	20 Tons	7.25"	11.75"	2.125"	19.85 lbs.
BK **776-1042**	20 Tons	9.6"	16.65"	2.36"	24.2 lbs.



NLE **791-5050**



NLE **791-5160**



NLE **791-5220**

VEHICLE STANDS

Features

- Sold and to be used in pairs
- Dual-purpose handle serves as a carrying handle & saddle column release
- Ratchet action height adjustment
- Formed steel frame for tough, rugged construction
- Rolled foot base design for added stability

Specifications

Item No.	Capacity	Low Height	High Height	Base Length	Base Width	Weight (lbs.)
NLE **791-5050**	4 Ton	11 3/4"	17 3/8"	8 5/8"	7 1/2"	9 ea.
NLE **791-5160**	7 Ton	15 1/2"	24 5/8"	10 5/8"	11 7/8"	16 ea.
NLE **791-5220**	10 Ton	19 3/4"	30 1/2"	14 1/2"	12 3/4"	40.4 ea.

10-TON HIGH-HEIGHT VEHICLE STAND



Features

- Chain prevents loss of height-adjusting pin
- Rugged tubular steel construction adds strength
- Large, heavy-duty saddle adds extra strength
- Sold and to be used in pairs
- Wide profile base adds stability and support

Specifications

Capacity: ..... 10 Ton
Low Height w/Stand Pin: .....28.125"
High Height: .....46.5"
Base Size: .....15.75"
Base Width: .....15.75"
Weight: .....57.8 lbs. ea.

NLE **791-5250**

3-TON ALUMINUM JACK STAND

At least 30% lighter than the standard steel jack stand for easier and quicker handling. Self-locking handle and pawl secure column in place. Four-legged base design adds stability. Sold and to be used in pairs.



Specifications

Capacity ..... 3 Tons
Low Height ..... 11.5"
High Height ..... 16.5"
Dimensions.....7.875" x 7.0625" x 11.5"
Weight ..... 10.5 Lbs./pr.
Saddle ..... 1" x 3.5"

NLE **791-5224**

PIN TYPE JACK STANDS

Jack stands feature large square base for stability. Pin type support column adjusts to four different height positions, and adjustment pin is tethered to base for added convenience. Sold and to be used in pairs.



Item No.	Closed Height	Raised Height	Weight (pair)	Capacity
NLE **791-5230**	12¼"	16⅛"	35.2 lbs.	5 Tons
NLE **791-5280**	11⅞"	19¾"	77 lbs.	22 Tons

EVERCRAFT JACK STANDS

Jack stands feature durable ratcheting columns for quick and easy height adjustments, formed steel frame, and convenient carrying handle.



Item No.	Capacity (ea.)	Load Dimensions	Closed Height	Raised Height
BK **776-2000**	6 Tons (each)	11.5" x 10.375"	15.75"	24"
BK **776-2001**	3 Tons (each)	7.7" x 6.7"	11.61"	16.73"
BK **776-2007**	2 Tons (each)	7.08" x 6.5"	10.83"	16.54"



NLE **791-1142**



NLE **791-3575**

Working PSI Rating: 8,050 PSI

PORTABLE RAM KIT

Includes all standard attachments for pushing and spreading operations along with necessary attachments. For completing pulling operations utilizing pull collars, clamps and chains. Features ½ ton spreader ram for work in confined spaces. Kits include force gauge to determine proper force to be used with component setup. 3.23" Extended ram extension (*NLE* **791-3575**).

Specifications

Item No.	Capacity	Closed Height	Extended Height	Weight
NLE **791-3575**	4 Ton	10½"	15¼"	42 lbs.
NLE **791-1142**	10 Ton	12⅝"	17¾"	70 lbs.

AIR/HYDRAULIC PUMP



Features

The 10,000 psi Air/Hydraulic Pump is designed to operate on as little as 7.8 CFM @ 90 psi. This pump allows quick displacement of hydraulic fluid, up to 10,000 psi, to comparable rams, and other hydraulic components that require 10,000 psi of fluid pressure. Foot/hand actuated treadle design delivers a metered, controllable flow to and from the intended application.

Specifications

Max. Output Pressure:.....10,000 PSI
Air Input Range: ..... 90 to 175 psi
Usable Oil Capacity: ..... 98 cu. in.
Flow Rate, No Load:..... 42 cu. in./min.
Flow Rate, With Load: ..... 8.5 cu. in./min.
Air Thread Connection:..... .25" NPT
Hydraulic Thread Connection:..... .375" NPT
Valve Function:.....Advance/Hold/Retract
Length: ..... 10.312"
Width:..... 5.312"
Height:..... 7.312"
Net Weight: ..... 19 lbs.

NLE **791-1250**

PROFESSIONAL LIFTING EQUIPMENT

1-TON LOW-PROFILE TRANSMISSION JACK



Features

- Ideal for handling medium duty truck transmissions
- Wide stance steel frame construction
- Large swivel casters for easy positioning and maneuverability
- Pump Handle rotates 360° for all position operation

Specifications

Capacity:	2,000 lbs.
Raised Height:	44"
Low Height:	10"
Saddle Forward Tilt:	40°
Saddle Backward Tilt:	25°
Saddle Lateral Tilt:	12°
Base Size:	48.25" x 28.25"
Weight:	299 lbs.

NLE **791-7170**

1-1/2-TON TRANSMISSION JACK



Features

- Ideal for heavy-duty truck transmissions
- A perfect fit for truck dealers, maintenance and heavy-duty transmission repair centers
- Pump handle rotates 360° for all position operation
- Large swivel casters for easy positioning and maneuverability

Specifications

Capacity:	3,000 lbs.
Lifting Head Size:	15.75" x 11.75"
Overall Length:	43.5"
Overall Width :	26"
Raised Height:	36.625"
Low Height:	8.875"
Saddle Forward Tilt:	10°
Saddle Backward Tilt:	10°
Saddle Lateral Tilt:	10°
Base Size:	43.5" x 25.75"
Weight:	293 lbs.

NLE **791-7180**

1,200-LB. LOW-PROFILE HYDRAULIC TRANSMISSION JACK



Features

- For use on auto, van, and pickup truck transmissions
- Four adjustable load support arms swivel to fit around transmission pan flanges
- Swivel handle for ease of operation
- Release valve is easily accessible for sensitive load lowering
- Four full-swivel ball-bearing casters allow easy maneuvering and positioning
- Wide support base provides stability

Specifications

Capacity:	1,200 lbs.
Low Pickup Height:	5.75"
High Lifting Point:	31.5"
Saddle Forward Tilt:	65°
Saddle Backward Tilt:	18°
Saddle Lateral Tilt:	10° Each Way
Base Size:	36" x 18.75"
Maximum Lifting Head Size:	15.5" x 15.5"
Weight:	100 lbs.

NLE **791-7160**

1/2-TON TWO-STAGE AIR AND HYDRAULIC TRANSMISSION JACK



Features

- For use on automotive and light duty pickup truck transmissions
- Air provides fast and easy lifting in the first stage
- Hydraulics provide smooth, precise lifting in the second stage
- Four ratcheting brackets adjust transmission pan mounting flange
- Nylon tie-down strap helps anchor transmission
- Wide-spread swiveling casters provide sure, smooth maneuverability
- Head angle adjustments are made easy by manually turning large grip knobs
- Requires 90 PSI

Specifications

Capacity:	1,000 lbs.
Required Air Pressure:	100 PSI
Low Height:	35.5"
Raised Height:	73.5"
Saddle Forward Tilt :	37°
Saddle Backward Tilt:	26°
Saddle Lateral Tilt:	12° L & R
Base:	30.25" square
Shipping Weight:	145 lbs.

NLE **791-7200**

1/2-TON TRANSMISSION JACK



Features

- For use on automotive and light duty pickup truck transmissions
- Maximum mobility with wider range of height adjustment and saddle tilt make this the perfect choice for high volume shops
- Four adjustable load support arms fit around transmission pan flanges
- Foot-operated pump and release leaves operator's hands free
- Wide base provides increased stability
- Four full-swivel ball bearing casters make maneuvering easy
- T-handle for easier positioning

Specifications

Capacity: ..... 1,000 lbs.
Low Height: ..... 35.5"
Raised Height: ..... 74"
Saddle Forward Tilt : ..... 37°
Saddle Backward Tilt: ..... 26°
Saddle Lateral Tilt: ..... 12° L & R
Base: ..... 30.25" square
Shipping Weight: ..... 143 lbs.

NLE **791-7140**

1/2-TON TRANSMISSION JACK



Ideal for the shop that does occasional transmission work on automotive and light duty trucks. Foot pump for fast easy lifting. Release knob for controlled lowering. Maximum lifting head adjustment up to 18.5" x 18.5".

Specifications

Capacity: ..... 1,000 lbs.
Low Height: ..... 43.625"
High Height: ..... 71"
Saddle Forward Tilt : ..... 23°
Saddle Backward Tilt: ..... 16°
Saddle Lateral Tilt: ..... 7° L & R
Base: ..... 36" x 42"
Weight: ..... 143 lbs.

NLE **791-7100**

EVERCRAFT

800-LB. LOW TRANSMISSION JACK

For use with small to mid-size automobile and mini-pickup truck transmissions. Jack features durable wide steel base construction, 1" W x 2" D swivel casters for easy maneuverability, versatile 360° rotating pump handle, and thrust bearings on saddle bolts for smooth operation.



Specifications

Capacity ..... 800 lbs.
Low Height ..... 8.25"
Raised Height ..... 24.5"
Length ..... 30"
Overall Width ..... 16.5"
Saddle Tilt Forward/ Backward ..... 55° by 8°
Saddle Tilt Side to Side... +30°, -30°
Shipping Weight ..... 84 lbs.

BK **776-4003**

FUEL TANK ADAPTER



This unit is a must for safe and easy installation, removal and transportation of automotive, SUV and truck fuel tanks. Four durable foam pads protect the fuel tank being removed and two nylon straps hold the tank secure. The unique saddle design allows for fast mounting to most transmission jacks and adapters. Weighs only 44 lbs., but rated to handle a 40 gallon empty fuel tank.

NLE **791-7135**

FUEL TANK LOCK RING TOOL



Stout tool to remove and install plastic fuel tank lock rings from 4" - 7.25" without damage. Channel design on body allows the legs to adjust to fit a wide range of applications and keeps the drive centered. Works on the new smaller GM serrated rings and traditional rings. The design is compact so the tool is not left hanging over the work area with the potential for hitting other components.

SER **63000**

1,500-LB. UNDER HOIST SUPPORT STAND



Features 12" diameter base for stability and slender design for lightweight, easy handling in close quarters. Bearing mounted spin handle and self-locking Acme threaded screw provide easy turning and height adjustment under load. Contoured saddle helps support most component configurations.

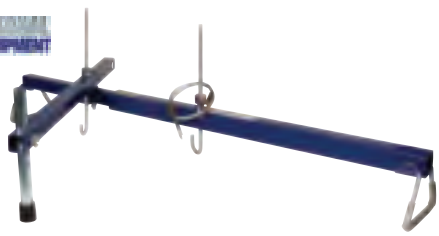
Item No.	Dimensions	Lifting Range	Capacity
NLE **791-2002**	Saddle 1.63" x 5.5"	53" - 79"	1,500 Lbs.



2-TON CAPACITY UNDER HOIST SUPPORT STAND

Stand features 24" triangular base for stability. Bearing mounted spin handle and self-locking Acme threaded screw provide 8" of height adjustment. Contoured saddle helps support and stabilize a vehicle.

Item No.	Saddle Dimensions	Lifting Range	Capacity
NLE **791-2006**	3.25" x 3.25"	68" - 76"	2 Tons



700-LB. TRANSVERSE ENGINE SUPPORT

The transverse engine support features an adjustable arm for stable 3-point support of most transverse mount FWD engines.

Features

- Two adjustable "J" hook screws
- Two .125" x 38" braided steel cables
- Expandable width from 34.5" to 61"

NLE **791-7125**



1.5-TON QUICK LIFT FOLDABLE CRANE

Rapid rise hydraulic jack raises boom six times faster without load than standard cranes while 4.25" low-profile base provides easy access under vehicles with low ground clearance.

Features

- Legs and bottom can be folded to save space when not in use
- Chain and swivel hook assembly allow for easy positioning of engine
- Boom length: 48"
- Crane weight: 210 lbs.

Specifications

Item No.	Boom Position	Capacity
NLE **791-6021**	1	750 lbs.
	2	1,500 lbs.
	3	2,250 lbs.
	4	3,000 lbs.



1,250-LB. CAPACITY ENGINE STAND

Stand's U-shaped design provides added stability while adjustable locking mechanism allows 360° rotation of engine. Features adjustable mounting arms, sturdy 4-wheel design, heavy-duty steel swivel casters and convenient tool storage caddy built into the frame.

NLE **791-2004**



1,000-LB. GEARED ENGINE STAND

Features

- A gear ratio of 63:1 allows for easy 360° rotation of engine
- Heavy duty tubular steel construction for extra strength
- Folds for easy storage

Specifications

Capacity: ..... 1,000 lbs.
Length: ..... 34"
Width at Front: ..... 20.5"
Width at Rear: ..... 36.5"
Height (Assembled): ..... 36"
Height (in Folded Position): ..... 21"
Weight: ..... 96 lbs.

NLE **791-5070**



EVERCRAFT ENGINE STAND

Convenient 360° rolling head provides various engine positions for fast operator assembly and tear down. Tubular steel stand features swivel casters for easy maneuverability and added stability. Engine weight capacity: 750 lbs.

BK **776-5060**

3/4-TON LOAD LEVELER

Designed to level load when transporting engines or transmissions by way of crane, load leveler features closed link for ease of use with standard hoist hook and acme thread for strength and ease of adjustment. Unit capacity: 1,500 lbs.

NLE **791-6006**



HYDRAULIC POSITIONING JACK RACK

Steel caddy holds four *NLE* **791-5222**. Jacks sold separately.

NLE **791-5223**



MOTOR LIFTING SLING

The best from any angle for lifting. Safe working capacity is 600 lb.

BK **770-5104**





1,500-LB. CAPACITY WHEEL DOLLY

Hydraulically activated lift arms handle wheel assemblies up to 52" diameter. Frame with tilt feature aligns lift arms with spindle angle, and three ball bearing mounted caster wheels provide stability and easy maneuverability. Bearing-mounted lift arms easily rotate vehicle rim for bolt pattern alignment. Lift Arm Length: 26". Lift arm spread min/max 21-25".

Item No.	Dimensions	Lifting Range	Capacity
NLE **791-6005**	31" L x 43" W x 35" H	0" – 9.25"	1,500 lbs.

CAR DOLLIES

Features

- Four heavy-duty swivel casters (two locking) for easy mobility of vehicles
- Fully welded all-steel frame for rugged dependability
- Sold in pairs (two dollies)

Specifications

Capacity*: .....1,250 lbs. ea.
Base Size:.....17.5" x 14.5"
Height:.....7.25"
Weight:..... 49 lbs. (1 pair)

NLE **791-5260**



1500-LB. HYDRAULIC POSITIONING JACK

Features hydraulic foot pedal activation and bearing-mounted aluminum arm rollers. Jack can easily handle 13" to 24" wheels with tires mounted. Sold individually.



Item No.	Capacity	Arm Length	Dimensions	Arm Spread
NLE **791-5222**	1,500 lbs.	18 1/2" fits 13" W Tire	26 1/4" X 24 3/4" X 13"	15 1/2" to 27 1/4" Center to Center

FARM/AUTOMOTIVE/CONSTRUCTION JACK

A versatile tool. With the flick of a lever, it will lift, push or pull 3 1/2 tons. Cable wire and belt tension jack. Quick disengaging when not under load. Uses: Use chain or cable attachments for taking up slack in cable, wire, wire fences and conveyor belts. Excellent pole maintenance jack. 7,000 lb. lifting capacity (rating established with load at a height of 1 ft.). Has castings and stamped bottom piece. Shear pin prevents overloading. For heavy-duty use. 48 in.

BK **809-5518**



EVERCRAFT



1.5-TON SCISSOR JACK

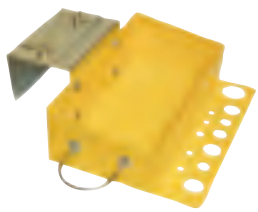
Features

- All steel frame construction
- Wide base for load stability
- Lightweight for easy transport

Specifications

Capacity ..... 1.5 Tons
Lifting Range ..... 4.13" – 15.16"

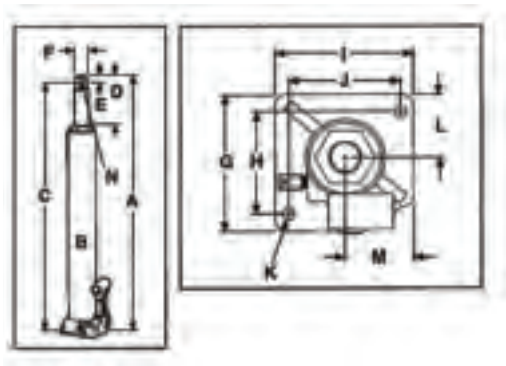
BK **776-1002**



VEHICLE LIFT RACK SADDLE

- Ingeniously design tray to safely hold the mechanic's tools
- Attaches securely with U-shaped arms and can adjust to most vehicle lifts
- Includes a place for screw drivers, pliers, wrenches, sockets, etc. Separate holder for air gun or soft drink can
- Saves work steps and time
- Durable and lightweight

BK **770-8000**





NLE **520-6004**



NLE **520-6008**

4- & 8-TON HYDRAULIC POWER UNITS

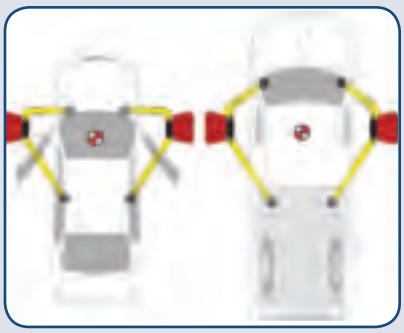
Features

- Preset overload protection
- Both units feature long stroke, ram pin hole and base mounting holes
- Metering release provides precise, controlled lowering of load

Specifications

Item No.	Capacity	Stroke	Max. Ht.	Weight	A	B	C	D	E
NLE **520-6004**	4 Ton	15 3/8"	34 3/4"	18.5 lbs.	19 7/8"	2 3/8" dia.	19 3/8"	1 3/4"	13/16"
NLE **520-6008**	8 Ton	19"	42 3/4"	31.5 lbs.	24 1/8"	2 3/16" dia.	23 5/8"	1 5/8"	13/16"

Item No.	F	G	H	I	J	K	L	M	N
NLE **520-6004**	15/16" dia.	4 1/2"	2 1/16"	5 1/8"	3 11/16"	1 1/32" dia.	11 1/16"	1 9/16"	1/2" dia.
NLE **520-6008**	1 9/32" dia.	5"	3 1/2"	4 3/4"	3 3/4"	13/32" dia.	2"	2 3/8"	11/16" dia.



2 Lifts in One

Versymmetric® plus+

Versymmetric® Lift **Versymmetric® Lift**

Don't be forced to decide what types of vehicles you service the most.
- Versymmetric® Lift accommodates 100% of the top selling vehicles - properly lift cars, trucks, vans and SUVs with one lift
- Asymmetric only lifts accommodate 80% of the Top 20 selling vehicles
- Symmetric only lifts accommodate 20% of the Top 20 selling vehicles

Don't turn away service business.

CL Challenger Lifts

Available Options:
Quick Cycle and/or
Dual Pendant Control.

Versymmetric® plus+



CL **CL10V3-2-DPC**



CL **CL10V3-QC**

QC QuickCycle Express Service Solution

10,000-LB. CAPACITY VERSYMMETRIC® PLUS 2-POST LIFT

- Exclusive Versymmetric® Technology provides a versatile 2 Lifts in One™ Design to safely lift vehicles symmetrically or asymmetrically within the same service bay
- **CL10 series two post lifts available in two Versymmetric® Productivity Configurations:**
  - **Max Plus Productivity** (*CL* **CL10V3DPC)** - Dual Pendant Power Controls, Stack Adapter Kit and Document Caddy with Versymmetric® Plus offset 3-stage front + 3-stage rear arms
  - **Maximum Productivity** (*CL* **CL10V3**) - Conventional Power Controls, Versymmetric® Plus offset 3-stage front + 3-stage rear arms
- Adjustable arm restraint shafts compensate for uneven floors
- Double Telescoping Screw Pads adjust to multiple heights minimizing the need for adapters

QC Powered by: QuickCycle Express Service Solution

See how fast it really is!

2X FASTER than standard models

up in 27 sec.

down in 17 sec. regardless of vehicle weight

HOW DO WE ACHIEVE ACCELERATED LIFTING?

We have increased the motor and pump size which provides a faster rise and descent. These components increase the rise of speed from 38 seconds to **27 seconds** equating to a 30% time savings.

Lowering speed is held to a constant **17 seconds** (approximately) regardless of the weight of the vehicle.

Specifications

Red Item No.	*CL* CL10V3	*CL* CL10V3-DPC	*CL* CL10V3-QC
Lifting Capacity	10,000 lb.		
Rise Height	74 1/8"		
Column Height	11' 8"		
Width Overall	11' 6 1/2" / 11'11"		
Drive-Thru Clearance	100" / 104 1/2"		
Floor to Overhead Switch	11' 2 1/2"		
Front Arm Reach (Min./Max.)	19 13/16" / 42"		
Rear Arm Reach (Min./Max.)	37 5/8" / 60"		
Screw Pad Height	3 7/8" - 6 1/8"		
Motor / Voltage	2HP, 208v - 230v (Single Phase Std.)		3 HP
Speed of Rise	38 Sec.	38 Sec.	27 Sec.
Ceiling Height Required	12'		

2' and 3' column height extensions accommodate higher profile vehicles. Includes (2) height extensions, hose extension kit and new cables.

CL **CL10V3-2** Overall height with 2' Extension: 13' 9" (4,191mm)

CL **CL10V3-3** Overall height with 3' Extension: 14' 9" (4,496mm)



Challenger Lifts

QuickCycle Express Service Solution

Up in 27sec.

Down in 17sec.

Regardless of vehicle weight.



Drive-on pad lift with flip-up ramps that extend the platform load length.

Available Options:
Quick Cycle and/or
Dual Pendant Control.



CL **CL10XP9**

2' and 3' column height extensions accommodate higher profile vehicles. Includes (2) height extensions, hose extension kit and new cables.

CL **CL10-XP9-2** Overall height with 2' Extension: 13' 9" (4,191mm);

CL **CL10-XP9-3** Overall height with 3' Extension: 14' 9" (4,496mm);



9,000-LB. CAPACITY 2-POST PAD LIFTS

- Drive-on style pad provides quick vehicle spotting for express bays
- Low profile pad design allows extra clearance for low profile vehicles
- Reinforced front and rear access ramps are designed to easily flip up and lock to extend the platform load length which will accommodate longer wheelbase vehicles.
- Standard column mounted spotting block storage caddy .
- 48" elongated carriage design decreases load on bearing.
- Padded overhead shut off system prevents vehicle damage.
- Single-point mechanical lock release system allows technician to disengage both column locks simultaneously.
- Many accessories available to include optional 2' and 3' column height extension available.

Dual Pendant Controls

- Always within technician's reach when small spotting adjustments matter, dual pendant power controls expedites vehicle spotting by providing an unobstructed view to lifting points.
- Up/Down power button plus dual single-point technical lock release system provides lift operation from either column.
- OSHA compliant keyed lockout safety button
- Combine with QuickCycle and create the ultimate two post lift for express service applications.



Item No.	*CL* CL10XP9	*CL* CL10XP9QC	*CL* CL10XP9DPC	*CL* CL10XP9DPQC
Lifting Capacity	9,000 lb. (4082kg)	9,000 lb. (4,082kg)	9,000 lb. (4,082kg	9,000 lb. (4,082kg)
Rise Height	70" (1,778mm))	70" (1,778mm))	70" (1,778mm))	70" (1,778mm))
Column Height	11' 8" (3,556mm)	11' 8" (3,556mm)	11' 8" (3,556mm)	11' 8" (3,556mm)
Cylinder Overall (Full Stroke)	11' 11" (3,632mm)	11' 11" (3,632mm)	11' 11" (3,632mm)	11' 11" (3,632mm)
Width Overall	11' 6½" (3,518mm)	11' 6½" (3,518mm)	11' 6½" (3,518mm)	11' 6½" (3,518mm)
Drive-Thru Clearance	79½" (2,019mm)	79½" (2,019mm)	79½" (2,019mm)	79½" (2,019mm)
Floor to Overhead Switch	11' 2½" (3,416mm)	11' 2½" (3,416mm)	11' 2½" (3,416mm)	11' 2½" (3,416mm)
Platform Height	2¼" (57mm)	2¼" (57mm)	2¼" (57mm)	2¼" (57mm)
Platform Width	24" (610mm)	24" (610mm)	24" (610mm)	24" (610mm)
Platform Length*	56" (1,422mm) / 68" (1,727mm) / 80" (2,032mm)			
Width Between Platforms	31½" (800mm)	31½" (800mm)	31½" (800mm)	31½" (800mm)
Inside of Columns	110" (2,794mm)	110" (2,794mm)	110" (2,794mm)	110" (2,794mm)
Motor	2HP, Single Phase, 60Hz	2HP, Single Phase, 60Hz	2HP, Single Phase, 60Hz	2HP, Single Phase, 60Hz
Voltage	208 - 230V	208 - 230V	208 - 230V	208 - 230V
Speed of Rise	38 Seconds	27 Seconds	38 Seconds	27 Seconds
Ceiling Height Required	12' (3658mm)	12' (3,658mm)	12' (3,658mm)	12' (3,658mm)
Quick Cycle	—	YES	—	YES
Dual Pendant Control	—	—	YES	YES

CL Challenger Lifts



CL **E10**

10,000-LB. CAPACITY ECONOMY SYMMETRIC AND ASYMMETRIC 2-POST LIFT

3-stage front arms provide greater overall arm sweep for:

- Asymmetric or Symmetric lifting in the same service bay
- Uni-body design vehicles
- Vehicles with designated outside pick up points

Lift Features

- 11' 11⅞" standard height allows lift to be placed in service bay with 12' ceiling
- Double telescoping Screw Pads adjust to multiple heights minimizing the need for adapters
- Rubber foot pads minimizes stress to vehicles with delicate under-coatings
- Padded overhead shut off system prevents vehicle damage
- Single-point mechanical lock release system allows technician to disengage both columns simultaneously
- Rubber door guards protect vehicle from door damage
- Premium powder coat finish provides long lasting durability
- Plated Arm Restraints and Arm Pins inhibit rust and provide long-lasting durability

9,000-LB. CAPACITY FLOOR PLATE 2-POST LIFT



CL **CLFP9**

- 10' ⅞" overall column height is ideal for servicing vehicles in a low ceiling height
- Low profile drive-over floor plate for easy vehicle positioning
- 3-stage front + 3-stage rear arms provide excellent reach and retraction to lift a variety of vehicles
- Electric/hydraulic heavy-duty chain lifting operation with cable equalization
- Dual point mechanical pull-lock cable release system
- Fully gusseted base plate design reduces column deflection
- Double telescoping screw pads adjust to multiple heights minimizing the need for adapters
- Rubber foot pads minimize stress to vehicle's delicate undercoatings
- Plated Arm Pins inhibit rust and provide long-lasting durability
- Many accessories available to turn *CL* **CLFP9** into a complete productivity center.

10,000-LB. CAPACITY 2-POST LIFT SYMMETRIC OR ASYMMETRIC LIFTS



CL **SA10**

- Install symmetrically or asymmetrically
- 3-stage front and rear arms provide greater overall arm sweep
- Double telescoping screw pads adjust to multiple heights
- Adjustable heights and widths Single point mechanical lock release
- Padded overhead shut off system prevents vehicle damage from being raised too high
- Rubber door guards standard
- Mirrored "S" shaped columns provides a clear and safe concave conduit for the bearings
- Premium powder coat finish provides long lasting durable finish

2' column height extensions accommodate higher profile vehicles. Includes (2) height extensions, hose extension kit and new cables.

CL **E10** with *CL* **E10EH2**
Overall height with 2' Extension:
13' 11⅞" (4,265mm)



2' column height extensions accommodate higher profile vehicles. Includes (2) height extensions, hose extension kit and new cables.

CL **SA10** with *CL* **SA10EH2**
Overall height with 2' Extension:
13' 4½" /11' 10½" (3,467/3,493mm)



Specifications

	CL **CLFP9**	*CL* **E10**	*CL* **E10 with *CL* E10EH2 column height extensions**	*CL* **SA10**	*CL* **SA10 with *CL* SA10EH2 column height extensions**
Lifting Capacity	9,000 lb.	10,000 lb.		10,000 lb.	
Rise Height	78⅛"	74 ¾"		74½"	
Overall Height	10' ⅞"	11' 11⅞"	13" 11⅞"	11' 4½"	11' 10½"
Width Overall	11' 5½"	10' 11¾"		10' 9" 11' 3"	10' 11½" / 115½"
Drive-Thru Clearance	98 3/16"	98⅜"		92¾" / 98¾"	88½" / 94½"
Floor to Overhead Switch	N/A	11' 5"	13' 5"	131⅛"	137⅛"
Front Arm Reach (Min./Max.)	24½" - 44½"	21¾" - 38¼"		22⅜"	41½"
Rear Arm Reach (Min./Max.)	24½" - 44½"	38¼" - 55⅜"		38¼"	59"
Screw Pad Height	4" - 5⅞"	4¼" - 6¾"		4⅜"	6½
Motor / Voltage	2HP, 208v - 230v (Single Phase Std.)	2HP, 208v - 230v (Single Phase Std.)		2HP, 208v-230v, 60Hz, 1Ph	
Speed of Rise	60 Sec.	44 Sec.		44 Sec.	
Ceiling Height Required	10' 1⅞"	12'	14'	12'	

Challenger Lifts

12,000-LB. CAPACITY 2-POST SYMMETRIC LIFTS

Features and Benefits

- 3-stage front and 3-stage rear arms provide greater extension and retraction.
- Geared arm restraints standard.
- Single-point mechanical lock release system allows technician to disengage both column locks simultaneously.
- Oversized steel pulley reduces stress on equalization system and provides increased durability.
- 60" lifting carriage lessens column stress by dispersing load.
- Standard combination stack screw pads and storage brackets accommodates a wide range of vehicle pick up points.
- Padded overhead shut off system prevents vehicle damage from being raised too high.
- 1' and 2' column height extensions available.

Lifts anything from small sedans to heavy-duty trucks!



CL **CL12**

1' and 2' column height extensions accommodate higher profile vehicles.

Item No.	*CL* CL12	*CL* CL12-1	*CL* CL12-2
Lifting Capacity	12,000 lb. (5,443kg)		
Rise Height	84¾" (2,153mm)		
Height Overall	13' 8" (4,166mm)	14' 8" (4,470mm)	15' 8" (4,775mm)
Width Overall	11' 10" (3,607mm)		
Drive-Thru Clearance	103½" (2,629mm)		
Floor-Overhead Switch	157" (3,988mm)	169" (4,293mm)	181" (4,597mm)
Arm Reach (Min.)	27½" (700mm)		
Arm Reach (Max.)	59" (1,500mm))		
Adj. Adapter Height	5" to 6⅝" (127mm to 168mm)		
Adj. Adapter Height (with Medium Extensions)	8" to 9⅝" (203mm to 244mm		
Adj. Adapter Height (with High Extensions)	11" to 12⅝" (279mm to 320mm)		
Inside Columns	114½" (2,908mm)		
Motor	2HP		
Voltage (1 Phase Std.)	208v - 230v		
Speed of Rise	60 Sec.		
Ceiling Height Required	13' 9" (4,191mm)	14' 9" (4,496mm)	15' 9" (4,801mm)

Standard Features



(4) Standard Adapters



(4) Medium Extensions



(2) High Extensions



(4) Frame Engaging Adapters *CL* 10318



(2) Organizer Racks For Adapter Extensions *CL* 10316

12,000-LB. CAPACITY ECONOMY 2-POST LIFT

- Heavy-Duty two stage arms enable Heavy-Duty symmetric lifting, up to 3,000 lb. per arm
- 13' 10" or 14' 7" adjustable column height accommodates higher profile vehicles and provides maximum headroom to work underneath vehicles
- Rubber door guards provide added security against door damage
- Single point mechanical lock release allows technician to disengage both columns simultaneously
- Overhead shut off system prevents vehicle damage from being raised too high
- Heavy-Duty Telescoping Screw Pads minimizes the need for truck adapters by meeting a wider range of OEM recommended pick up points
- Premium powder coat finish provides long lasting durable finish



CL **E12**

Specifications

	CL E12	*CL* E12 with *CL* E12EH2 column height extensions
Lifting Capacity	12,000 lb.	
Rise Height	78⅛"	
Overall Height	Adj. 13' 10" or 14' 7"	Adj. 15' 10" or 16' 7"
Width Overall	11' 7¾"	
Drive-Thru Clearance	103"	
Floor to Overhead Switch	13' 3½" or 14' ½"	15' 3½" or 16' ½"
Front Arm Reach (Min./Max.)	35¾" - 54½"	
Rear Arm Reach (Min./Max.)	35¾" - 54½"	
Screw Pad Height	5¼" - 7¼"	
Motor / Voltage	2HP, 208v - 230v (Single Phase Std.)	
Speed of Rise	66 Sec.	
Ceiling Height Required	13' 11" or 14' 8	15' 11" or 16' 8"

CL Challenger Lifts



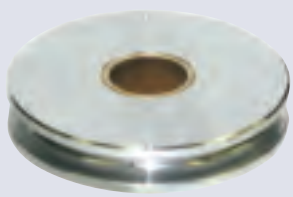
CL **15002**



CL **18002**

15,000 - 18,000-LB. CAPACITY HEAVY-DUTY 2-POST LIFTS

- Single point air actuated lock release allows technician to disengage both columns simultaneously
- Oversized steel pulley reduces stress on equalization system and provides increased durability
- 60" lifting carriage lessens column stress by dispersing load
- Standard combination stack screw pads and storage brackets accommodate a wide range of vehicle pick up points



Oversized steel pulley reduces stress on equalization system and provides increased durability

STANDARD ADAPTERS



CL **10315** Stack Adapter Kit



CL **10318** - Universal frame engaging truck adapters



CL **10317** - Reducer Bushings for use with *CL* **10318** on 15K and 18K lifts.

Specifications

	CL **15000**	*CL* **15002**	*CL* **18000**	*CL* **18002**
Lifting Capacity	15,000 lb.		18,000 lb.	
Rise Height	85½"		85½"	
Overall Height	14' 6"	16' 6"	14' 6"	16' 6"
Width Overall	12' 10¾"		12' 10¾"	
Drive-Thru Clearance	104 ¼"		104 ¼"	
Floor to Overhead Switch	13' 11"	15' 11"	13' 11"	15' 11"
Front Arm Reach (Min./Max.)	38½" - 62"		38½" - 62"	
Rear Arm Reach (Min./Max.)	38½" - 62"		38½" - 62"	
Screw Pad Height	6⅝" - 16½"		6⅝" - 16½"	
Motor / Voltage	2HP, 208v - 230v (Single Phase Std.)		2HP, 208v - 230v (Single Phase Std.)	
Speed of Rise	60 Sec.		60 Sec.	
Ceiling Height Required	14' 8"	16' 8"	14' 8"	16' 8"

2-Post Optional Accessories

					
	CL **B10264A Air/Electric Workstation**	*CL* **10315 Stack Adapter Kit**	*CL* **10318 Frame Engaging Truck Adapters (2)**	**2' Height Extension**	*CL* **10319 Truck Adapter & Extension Kit**
CL **CLFP9**	Optional	Optional	Optional	Optional	Optional
CL **CL10series**	Optional	Standard	Optional	Optional	Optional
CL **SA10**	Optional	Optional	Optional	Optional	Optional
CL **E10**	Optional	Optional	Optional	*CL* **E10EH2**	Optional
CL **E12**	Optional	Standard	Standard	*CL* **E12EH2**	Optional
CL **12**	Optional	Standard	Standard	Optional	Optional
CL **15000**	Optional	Standard (heavy-duty)	Standard	Optional	Optional
CL **18000**	Optional	Standard (heavy-duty)	Standard	Optional	Optional

HOFMANN

DUOLIFT 10,000-LB. COMBO

- 10,000 lbs. lifting capacity
- Vehicles can be positioned and lifts symmetrically or asymmetrically
- Three stage front arms provide superior extended and retracted reach
- Double telescopic lifting pads with rubber contact surface, adjusts from 4.25" - 6.75"
- Padded overhead safety shut off bar for improved vehicle protection
- Hi-Rise lifting cylinders and adjustable column heights creates maximum under vehicle clearances
- Heavy duty replaceable arm restraints ensure engagement

HOF **EELR731A** 10,000 lb. capacity, Symmetric/Asymmetric



HOF **EELR731A**

12,000-LB. 2-POST LIFT

- 12,000 lbs. lifting capacity
- Heavy-duty telescoping screw pads minimize the need for truck adapters by meeting a wide range of OEM recommended pickup points
- Single point mechanical lock release allows technician to disengage both columns safety locks simultaneously
- Overhead shut off system prevents vehicle damage from being raised too high
- Adjustable column height accommodates higher profile vehicles and maximum headroom to work underneath vehicles
- Telescoping pads adjust from 5.25" to 7.25"
- Optional two-position bolt-on height extension kit available (24")
- Optional recommended lift adapters and accessories available

HOF **EELR738A** 12,000 lb capacity, Symmetric

15,000-LB. 2-POST LIFTS

- 15,000 lbs. lifting capacity
- Single point air actuated lock release allows disengagement of both column locks simultaneously
- Oversized steel pulley reduces stress on equalization system and provides increased durability
- 60" tall lifting carriage lessons column stress by dispersing load
- Padded overhead shut off system prevent vehicle damage from being raised too hig
- Medium, extended height and U-shaped frame truck adapters are included
- Heavy-duty threaded arm restraints engage when lift is raised

HOF **EELR739A** 15,000 lb. capacity, Symmetric overall height 174"
HOF **EELR740A** 15,000 lb. capacity, Symmetric overall height 198"



HOF **EELR739A** / *HOF* **EELR740A**

ALL HOFMANN 2-POST LIFTS:

- Features single-point safety lock release for 2-hand lift lowering - keeps the operator safe while lowering the lift!
- Premium powder coat finish provides a long lasting, durable finish
- Are ALI Certified by ETL to ANSI standard ALCTV-2011

Specifications

	HOF **EELR731A** Symmetric / Asymmetric	*HOF* **EELR738A** Symmetric	*HOF* **EELR739A** / *HOF* **EELR740A** Symmetric Only
Capacity	10,000 lbs.	12,000 lbs.	15,000 lbs.
Overall Width	131.75"	139.75"	154.75"
Overall Height	147.5" or 137.5"	175" or 166"	174" / 198"
Width Between Columns	110.25"	115"	119.875"
Maximum Lifting Height	77.75"	78.125"	85" (with adapter)
Under Bar Clearance	140.5" or 130.5"	168.5" or 159.5"	167" / 191"
Drive Through Width	98.375"	103"	104.25"
Shipping Weight	1,750 lbs.	2,078 lbs.	3,418 lbs. / 3,514 lbs.
Lifting Time	52 sec.	66 sec.	60 sec.

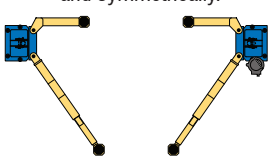
Standard Power Requirements (All Lifts): 230V, 1Ph, 60Hz



Model shown:
FWD **I10N100MBL**

10,000-LB. CAPACITY 2-POST I10 HEAVY DUTY LIFT

I10 Spot-Rite™
3-Stage Front Arm Design
the i10 features offset arms to accommodate vehicles both symmetrically and symmetrically.



this feature allows the technician to easily position the vehicle doors in front of or behind the column to prevent door damage.

- Spot-Rite™ 3-stage arms
- Hydraulic cylinders in each column with Direct pull lifting technology
  – Top mounted
  – Full stroke
  – Cylinder rod concealed inside carriage
- Single point lock release
- Low profile adapters
- Includes 1.75", 3.5" and 5" adapter extensions (4 each)
- Adapter bracket included
- ALI/ETL Certified

Specifications

Capacity	10,000 lbs.
Rise	76"
Overall Height	143 3/8"
Height to Shut-Off	137 3/4"
Minimum Ceiling Height	144"
Minimum Adapter Height	3 5/8"
Overall Floor Width	137" or optional 131"
Inside Column Width	115" or optional 109"
Drive Through	105" or optional 99"
Front Arm Reach	23" - 44 1/2"
Rear Arm Reach	38 1/2" - 58"
Adapter Heights	1 3/4", 3 1/2", 5"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **I10N100MBL** Blue
FWD **I10N100MRD** Red



Model shown:
FWD **F10N100MBL**

10,000-LB. CAPACITY 2-POST F10 HEAVY DUTY LIFT

- Hydraulic cylinders in each column with Direct pull lifting technology
  – Top mounted
  – Full stroke
  – Cylinder rod concealed inside carriage
- 3-stage front and 2-stage rear arms
- Single point lock release
- Low profile adapters
- Includes 3.5" and 5" adapter extensions
- Adapter bracket included
- ALI/ETL Certified

Specifications

Capacity	10,000 lbs.
Rise	76"
Overall Height	143 3/8"
Height to Shut-Off	137 3/4"
Minimum Ceiling Height	144"
Minimum Adapter Height	3 5/8"
Overall Floor Width	137" or optional 131"
Inside Column Width	115" or optional 109"
Drive Through	105" or optional 99"
Front Arm Reach	23" - 44 1/2"
Rear Arm Reach	38 1/2" - 58"
Adapter Heights	3 1/2", 5"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **F10N100MBL** Blue
FWD **F10N100MRD** Red



Model shown:
FWD **F12N300BL**

12,000-LB. CAPACITY 2-POST F12 HEAVY DUTY LIFT

- Hydraulic push cylinders in each column
  - Full stroke
  - Cylinder rod concealed inside carriage
- Extended height configurations available
- Overhead cable equalization
- 2-stage front and rear arms
- Single point lock release
- Spring operated arm restraints
- Low profile rubber-padded swivel adapters
- Includes 3.5" and 5" adapter extensions
- Adapter bracket included
- Durable powder-coated finish
- ALI/ETL Certified

Specifications

Capacity	12,000 lbs.
Rise	76 1/2"
Overall Height	166"
EH1	178"
Height to Shut-Off	160"
EH1	172"
Minimum Ceiling Height	168"
Minimum Adapter Height	4 3/4"
Overall Floor Width	140"
Inside Column Width	114 7/8"
Drive Through	102 3/4"
Front Arm Reach	35 1/16" - 54 1/32"
Rear Arm Reach	35 1/16" - 54 1/32"
Adapter Heights	3 1/2", 5"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **F12N300BL** Blue
FWD **F12N300RD** Red

Specifications subject to change without notice or liability. *Optional 3-phase available.

FORWARD LIFT



Model shown:
FWD **I12N300BL**



Model shown:
FWD **DP15SN000MBL**

12,000-LB. CAPACITY 2-POST I12 HEAVY DUTY LIFT

- Hydraulic push cylinders in each column
  – Full stroke
  – Cylinder rod concealed inside carriage
- Extended height configurations available
- Overhead cable equalization
- 3-stage front and rear arms
- Single point lock release
- Spring operated arm restraints
- Low profile rubber-padded swivel adapters
- Includes 1.75", 3.5" and 5" adapter extensions
- Adapter bracket included
- Durable powder-coated finish
- ALI/ETL Certified

Specifications

Capacity	12,000 lbs.
Rise	79 1/2"
Overall Height	166"
EH1	178"
Height to Shut-Off	160"
EH1	172"
Minimum Ceiling Height	168"
Minimum Adapter Height	4 3/4"
Overall Floor Width	140"
Inside Column Width	114 7/8"
Drive Through	102 3/4"
Front Arm Reach	27 3/5" - 59 1/20"
Rear Arm Reach	27 3/5" - 59 1/20"
Adapter Heights	1 3/4", 3 1/2", 5"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **I12N300BL** Blue
FWD **I12N300RD** Red

15,000-LB. CAPACITY 2-POST DP15 HEAVY DUTY LIFT

- Hydraulic cylinders in each column with Direct pull lifting technology
  - Top mounted
  - Full stroke
  - Cylinder rod concealed inside carriage
- Extended height configurations available
- Overhead cable equalization
- 2-stage front and rear arms
- Single point lock release
- Spring operated arm restraints
- Low profile rubber-padded swivel adapters
- Includes 5" and 10" adapter extensions
- Adapter bracket included
- Durable powder-coated finish
- ALI/ETL Certified

Specifications

Capacity	15,000 lbs.
Rise	88 1/2"
Overall Height	175" / 199"
Height to Shut-Off	166" / 190"
Minimum Ceiling Height	176" / 200"
Minimum Adapter Height	5"
Overall Floor Width	12' - 8 11/32"
Inside Column Width	119 19/32"
Drive Through	106"
Front Arm Reach	38"- 61"
Rear Arm Reach	38" - 61"
Adapter Heights	5", 10"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **DP15SN100MBL** Blue
FWD **DP15SN100MRD** Red

18,000-LB. CAPACITY 2-POST DP18 HEAVY DUTY LIFT

- Hydraulic cylinders in each column with Direct pull lifting technology
  - Top mounted
  - Full stroke
  - Cylinder rod concealed inside carriage
- Extended height configurations available
- Overhead cable equalization
- 2-stage front and rear arms
- Single point lock release
- Spring operated arm restraints
- Low profile rubber-padded swivel adapters
- Includes 5" and 10" adapter extensions
- Adapter bracket included
- Durable powder-coated finish
- ALI/ETL Certified

Specifications

Capacity	18,000 lbs.
Rise	88 1/2"
Overall Height	175" / 199"
Height to Shut-Off	166" / 190"
Minimum Ceiling Height	176" / 200"
Minimum Adapter Height	5"
Overall Floor Width	12' - 8 3/8""
Inside Column Width	119 5/8""
Drive Through	106"
Front Arm Reach	38"- 61"
Rear Arm Reach	38" - 61"
Adapter Heights	5", 10"
Voltage/Amps	208/230v, 20 amps
Motor/Phase*	2 HP/1Ø

FWD **DP18SN100MBL** Blue
FWD **DP18SN100MRD** Red

Specifications subject to change without notice or liability. *Optional 3-phase available.



Model shown:
RTY **SPOA10U8G5RD**
SHOCKWAVE equipped asymmetric lift.

Model shown:
RTY **SPOA10N8G5BL**
Shown with optional accessories and additional equipment.

10,000-LB. CAPACITY 2-POST TRIO™ LIGHT-DUTY ASYMMETRIC VEHICLE SERVICE LIFTS WITH SHOCKWAVE™

Asymmetric TRIO™ lifts equipped with exclusive SHOCKWAVE™ Power are the fastest in the world! Accelerate your productivity immediately with Shockwave's DC Power and see an increase in your shop's number of service orders per bay!

Features

- NEW TRIO™ 2-piece, three-stage arms
- Two times faster rise and descent
- DC Power with continuous onboard 110V charger
- Spotline™ motion activated laser
- Original "Double S" column design

Three Shockwave TRIO models TWICE as fast as any lift.*

Item No.	Description
RTY **SPOA10-TA-FASW**	TRIO ARMS with FA Adapters
RTY **SPOA10-TRIO-RASW**	TRIO ARMS with RA Adapters
RTY **SPOA10-TRIO-TASW**	TRIO ARMS with Truck Adapters

Actual rise and descent times vary depending on weight of vehicle.

CUSTOMIZE YOUR SHOCKWAVE™-EQUIPPED LIFT

Your choice of these 7,000 lbs. capacity super structures.

Item No.	Description
RTY **SPOA7-HYSW**	Front pad / 3-stage rear arm hybrid Versatile and easy-to-spot
RTY **SPOA7-MPSW**	Low profile drive-over movable pad slides easily into place for lifting unibody vehicles

10,000-LB. CAPACITY 2-POST TRIO™ LIGHT-DUTY ASYMMETRIC VEHICLE SERVICE LIFTS

Asymmetric Lifts - Perfect Design For Cars And Light Trucks Now Updated For Even Greater Productivity!

NEW TRIO™ Series asymmetric lifts are three arm configurations in one low-profile arm design. Patented two-piece, three-stage asymmetrical TRIO™ arms allow for quick positioning of the adapter to the vehicle pick-up point without moving heavy two or three stage inner arms. The integrated "third stage" adjustment easily and quickly slides the adapter to a pinpoint vehicle contact location saving even greater set-up time!

Features

- Original "Double S" column design with true asymmetrical 30° column rotatation
- Adjustable lift height options
- Available with SHOCKWAVE™ Power

THREE STAGES OF FLEXIBILITY IN A TWO-PIECE ARM

1st STAGE REACH
Stage one adapter micro adjustment range at full arm retraction.



Shown with RA adapter

2nd STAGE REACH
Single inner arm shown at full retraction and full extension.



Shown with RA adapter

3rd STAGE REACH
Integrated "third stage" adapter easily slides to a pinpoint location.

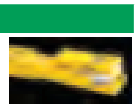
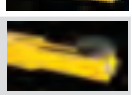
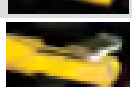


Patented multi-position adapter slider*

VERSATILE TRIO™ ARM ADAPTERS

Choose the best optional adapter set for vehicle service needs!*

Interchangeable with three lift model options.

Adapter Package	Description	
SPOA10-FA-TRIO™ Three-Position Flip-Up.	Flip-up adapters are great for quick positioning on a variety of pick-up points.	
SPOA10-RA-TRIO™ Round Polymer Thread-Up.	Stackable inserts come standard.	
SPOA10-TA-TRIO™ Thread-Up Truck.	Stackable inserts come standard.	

NEW SPOA10 TRIO Lifts come standard with your choice of FA, RA or TA adapters. each additional adapter set is sold separately.

TRIO™ Two-Post Lifts* Three-Stage Trio Arms	*RTY* **SPOA10N800BL** / *RTY* **SPOA10N800RD** Three-Stage TRIO Arms Flip Up Adapters	*RTY* **SPOA10N8T0BL** / *RTY* **SPOA10N8T0RD** Three-Stage TRIO Arms Truck Adapters (TA)	*RTY* **SPOA10N8G0BL** / *RTY* **SPOA10N8G0RD** Three-Stage TRIO Arms Round Adapters (RA)
SHOCKWAVE-Equipped Models	*RTY* **SPOA10U805BL** / *RTY* **SPOA10U805RD**	*RTY* **SPOA10U8T5BL** / *RTY* **SPOA10U8T5RD**	*RTY* **SPOA10U8G5BL** / *RTY* **SPOA10U8G5RD**
Capacity	10,000 lbs.	10,000 lbs.	10,000 lbs.
Rise**	72 1/2" - 78"	72" - 82 1/2"	71 7/8" - 73 7/8"
Rise w/SHOCKWAVE™ **	75 1/2" - 81"	75" - 85 1/2"	74 7/8" - 76 7/8"
Overall Height	11'8-1/2" / 12'4-1/2" with SHOCKWAVE™		
Overall Width	11'5-3/8"		
Drive-thru	95 -1/4"		
Inside Columns	107 1/4"		
Front Arm Min/Max	21 3/4" - 43 1/2"	20 1/2" - 40 3/4"	20 1/2" - 40 3/4"
Rear Arm Min/Max	37" - 61"	34 1/2" - 58 1/4"	34 1/2" - 58 1/4"
Min Adapter Height	4 3/4"	4 1/8"	3 13/32"
Min Bay Size	12' x 24'		
Ceiling Height Min	12' / 12'6" with SHOCKWAVE™		
Motor / Voltage 1Ø	2 HP, 208-230V / 5 HP / 110 v with SHOCKWAVE™		
Time of Full Rise	45 seconds / 25 seconds with SHOCKWAVE™		
Time of Descent	40 seconds / 19 seconds with SHOCKWAVE™		

Model suffix BL = Blue / RD = Red. ** Rise measures lowest or highest position of the supplied adapters from floor to full cylinder stroke.



Available with SHOCKWAVE ™

Lift shown with three-position flip-up FA adapters with built-in height adapters on conventional 2-stage arms



Model shown: *RTY* **SPOA10N700BL**
Shown with optional accessories and additional equipment

10,000-LB. CAPACITY 2-POST ASYMMETRIC LIFT

The Industry Standard

- True asymmetrical rotated column design
- Standard 2-stage arms with flip-up FA adapters
- Original "Double S" column design
- Adjustable lift height options to service taller vehicles
- Available with SHOCKWAVE™
- ALI Gold Certified

Model	*RTY* **SPOA10**
SHOCKWAVE™-Equipped Model	*RTY* **SPOA10-SW**
Capacity	10,000 lbs. (4,536kg)
Rise*	72¾"- 78¼" (1,848 - ,1987mm)
Rise With SHOCKWAVE™	75¾"- 81¼" (1,924 - 2,064mm)
Height Overall	11' 8½" (3,569mm)
Width Overall (Outside Of Base Plate)**	11' 5⅜" (3,489mm)
Drive-Thru Clearance	95¼" (2,416mm)
Floor To Overhead Switch	11' 2¾" (3,423mm)
Reach (Front Arm Min.)	24" (610mm)
Reach (Front Arm Max.)	40¾" (1,036mm)
Reach (Rear Arm Min.)	40¼" (1,019mm)
Reach (Rear Arm Max.)	61" (1,548mm)
Min. Adapter Height	4¾" (121mm)
Max. Adapter Height	N/A
Low Step Height	7" (178mm)
High Step Height	10¼" (260mm)
Inside Columns	107¼" (2,727mm)
Cylinder Height	11' 10½" (3,619mm)
With SHOCKWAVE™	12' 4½" (3,772mm)
Motor / Voltage 1Ø* **	2 HP / 208v-230v
With SHOCKWAVE™	5 HP / 110v
Time of Full Rise / Descent	45 / 40 seconds
With SHOCKWAVE™	25 / 19 seconds
Ceiling Height Required:	12' (3,658mm)
With SHOCKWAVE™	12' 6" (3,810mm)
Min. Bay Size	12' x 24' (3,658 x 7,315mm)

**** Rise measures lowest or highest position of the supplied adapters from floor to full cylinder stroke.***
***** Overall heights and widths reflect standard settings. Alternate settings may be available, refer to Installation Instruction Manual or consult factory for details.***
****** Optional 3-phase electrical available.***



Available with SHOCKWAVE ™
Minimum Required Ceiling Height: 12' 6"



Model shown:
RTY **SPO10N707RD**
Extended height lift Shown with optional accessories and additional equipment.

Lift shown with conventional three-position flip-up adapters with built-in height adapters on 2-stage arms.

10,000-LB. CAPACITY 2-POST SYMMETRIC VEHICLE SERVICE LIFTS

Wider Drive Thru For Trucks And Vans

This accommodates larger vehicles and improves vehicle access. This allows maximum door opening on trucks and vans improving access to vehicle interior. Trust the industry standard symmetrical 10,000 lb. lift. Why look anywhere else?

Features

- Customize with your choice of arms and adapters
- Original "Double S" column design
- Available with conventional 3-stage arms
- Available in extended height configurations
- Other SPO10 models available

Item No.	Description	
RTY **SPO10-RA**	Three-stage arms with RA Adapters	
RTY **SPO10-TA**	Three-stage arms with Truck Adapters	



Available with SHOCKWAVE ™



Lift shown with three-stage Front arms and polymer truck adapters primarily used on framed vehicles.

Model shown:
RTY **SPO12N7T0BL**
Shown with optional accessories and additional equipment.

Adjustable adapters thread-up and come with stackable inserts and storage rack.



12,000-LB. CAPACITY 2-POST MEDIUM-DUTY SYMMETRIC VEHICLE SERVICE LIFTS

Three Stage Arms For Greater Reach

The Rotary SPO12 is the choice for medium-duty lifting and quality in 12,000 lb. lifts.

Features

- Front & rear three-stage arms are standard
- Adjustable truck adapters with stackable inserts for added reach
- Low ceiling and extended height models available
- Original "Double S" column design

12,000-LB. CAPACITY 2-POST SYMMETRIC VEHICLE SERVICE LIFTS

EH3 Extended Height Model Adds 3' For New Euro-Style Cargo Vans



Model shown: *RTY* **SPO12U7T8RD**
Shown with optional accessories and additional equipment.

Two-Post Symmetric Lifts	*RTY* **SPO10N700BL / *RTY* SPO10N700RD** Standard Arms Flip Up Adapters	*RTY* **SPO10N5T0BL / *RTY* SPO10N5T0RD** Three-Stage Arms Truck Adapters (TA)	*RTY* **SPO10NG50BL / *RTY* SPO10NG50RD** Three-Stage Arms Round Adapters (RA)	*RTY* **SPO12N7T0BL / *RTY* SPO12N7T0RD** Three-Stage Arms Truck Adapters (TA)
SHOCKWAVE™-Equipped Models	*RTY* **SPO10U705BL/ *RTY* SPO10U705RD**	*RTY* **SPO10U5T5BL / *RTY* SPO10U5T5RD**	*RTY* **SPO10UG5BL / *RTY* SPO10UG5RD**	*RTY* **SPO12U7T5BL / *RTY* SPO12U7T5RD**
Capacity	10,000 lbs.	10,000 lbs.	10,000 lbs.	12,000 lbs.
Rise*	72 5/8" - 78 1/8"	72 5/8" - 75 1/8"	72 1/2" - 74 3/4"	72 3/4" - 75 3/4"
Rise* w/SHOCKWAVE™*	75 5/8" - 81 1/8"	75 5/8" - 78 5/8"	75 1/2" - 77 3/4"	75 3/4" - 78 1/4"
Overall Height**	11' 8 1/2" / 12' 4 1/2" with SHOCKWAVE™			13' - 8"
Required Ceiling Height	12' / 12' 6" with SHOCKWAVE™			14'
Overall Width	11' - 5 1/2"	11' - 5 1/2"	11' - 5 1/2"	11' - 5 5/8"
Drive-thru Width	8' - 6 1/2"	8' - 6 1/2"	8' - 6 1/2"	8' - 6 3/8"
Inside Columns	114 1/2"			114 7/8"
Front Arm Min/Max	31" - 54"	27 1/2" - 59"	27 1/2" - 59"	27 1/2" - 59"
Rear Arm Min/Max	31" - 54"	27 1/2" - 59"	27 1/2" - 59"	27 1/2" - 59"
Min Adapter Height	4 5/8"	4 5/8"	4 1/2"	4 3/4"
Motor/Voltage	2 HP, 208-230V / 5HP/110v with SHOCKWAVE™			
Time of Full Rise / Descent	45 secs. / 40 secs.			60 secs. / 40 secs.
w/SHOCKWAVE™	25 secs. / 19 secs.			30 secs. / 20 secs.
Min Bay Size	12' x 24'	12' x 24'	12' x 24'	12' x 26'

Rise measures lowest or highest position of the supplied adapters from floor to full cylinder stroke
•• Low ceiling models available. Consult factory for details. BL= Blue / RD=Red

15,000- AND 18,000-LB. CAPACITIES 2-POST VERSATILE SUPER DUTY ROTARY LIFTS

Service Fleet Lines And More!

Rotary sets the mark for reliability and quality in heavy duty lifts.

- Air operated single point lock release
- Original "Double S" column design
- Contains arm restraints in all arms
- Overhead height adjustments available
- Thread up adapters for easy vehicle contact
- Comes with additional adapters for an additional 10" of reach
- Five position wheel spotting dishes come standard
- Low ceiling models available
- ALI Gold Certified



Features

Thread-Up adapters for easy vehicle contact
Lightweight, ultra-strong 10" and 5" aluminum stackable adapters come standard on 15,000 and 18,000 lbs. capacity lifts.



Model shown: *RTY* **SPO15N310RD**

Two-Post Symmetric Lifts	*RTY* SPO15N310BL / *RTY* SPO15N310RD Standard Arms Truck Adapters (TA)	*RTY* SPO15LCN310BL / *RTY* SPO15LCN310RD Standard Arms Truck Adapters (TA)	*RTY* SPO18N310BL / *RTY* SPO18N310RD Standard Arms Truck Adapters (TA)	*RTY* SPO18LCN310BL / *RTY* SPO18LCN310RD Standard Arms Truck Adapters (TA)
Capacity	15,000 lbs.		18,000 lbs.	
Rise*	76⅞"- 88⅞"		76⅞" - 88⅞"	
Overall Height**	15' - 16'-6"	13'-6" - 14'-6"	15' - 16'-6"	13'-6" - 14'-6"
Required Ceiling Height	15'-1" - 16'-7"	13'-7" - 14'-7"	15'-1" - 16'-7"	13'-7" - 14'-7"
Overall Width	12'-11"		12'-11"	
Drive-thru Width	101"		101"	
Inside Columns	120¼"			
Front Arm Min/Max	38½" - 62"		38½" - 62"	
Rear Arm Min/Max	37½" - 62"		37½" - 62"	
Min Adapter Height	5¾"		5¾"	
Motor/Voltage	2 HP, 208-230V, 1Ø		2 HP, 208-230V, 1Ø	
Time of Full Rise / Descent	Time of Full Rise: 85 secs.			
Min Bay Size	15' x 30'		15' x 30'	

Rise measures lowest or highest position of the supplied adapters from floor to full cylinder stroke.
•• Low ceiling models available. Consult factory for details. BL= Blue / RD=Red

2 POST LIFT ACCESSORIES — INCREASE PRODUCTIVITY IN THE BAY!



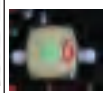













Two Post Lifts And Lift Accessories	Extended Height GM Adapters	Extended Height Truck Adapters	½" Pad Adapter	1" Pad Adapter	2-½" Pad Adapter	TII10564 TRIO ARMS FJ6197 Thread-Up Frame Engaging Adapter	FJ6219 TRIO ARMS FJ6225 Rubber Adapter for Unibody Vehicles	FJ7880BK TI00271 FOR TRIO ARMS Stackable Adapter Extensions	Air / Electric Utility Box	Tool Holder	Door Defender Column Pad	Tech Light 2-Post Light Kits	Lock Light Lift on Locks Indicator	Wheel Wing Tire Arm
RTY **AT07**	—	—	—	—	—	—	Included	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPOA7**	—	—	—	—	—	—	—	—	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPOA10**	FJ6133BK	FJ6115BK	FJ6138BK	FJ6190YL	FJ6139BK	—	—	—	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPO10**	FJ6133BK	FJ6115BK	FJ6138BK	FJ6190YL	FJ6139BK	FJ6197	FJ6225	—	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPOA10-RA-TRIO**	—	—	—	—	—	T110564	FJ6219	T100271	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPOA10-TA-TRIO**	—	—	—	—	—	Included	FJ6219	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPO10-TA**	—	—	—	—	—	Included	FJ6225	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPO10-RA**	—	—	—	—	—	FJ6197	Included	FJ7880BK	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPO12-TA**	—	—	—	—	—	Included	FJ6225	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	FA5974
RTY **SPO15/SPO15-LC**	—	—	—	—	—	Included	—	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	—
RTY **SPO18/SPO18-LC**	—	—	—	—	—	Included	—	Included	FA5911BK	FA5191E	N823	FA5701	FA834 / 110V FA835 / 220V	—

Challenger Lifts

15,000-LB. CAPACITY 4-POST LIFTS

- The highest rise in the industry provides more working room underneath vehicles
- Compatible with the industry's latest camera imaging alignment systems
- Recessed stainless steel turning radius gauges provide accurate readings
- 14 level locking positions for a variety of alignment and general service tasks
- Heavy-duty front bearing and yoke assemblies distribute contact load reducing column stress for longer product lift (Open front models only)
- Durable non-skid surfaces for positive vehicle traction and technician safety
- Fully gusseted base plate reduces column deflection and is less sensitive to uneven floors
- 80" rear recessed free floating slip plates offer a wider range of 4 wheel alignment capabilities
- Oversized solid machined steel pulleys for prolonged pulley and cable life





CL **AR4015EAO**

AR4015 Series Alignment Rack Packages include:

- (2) 7,500 lb capacity rolling
- Flush mounted stainless steel turning radius gauges
- Full floating rear slip plates
- Internal air line system for jacks dual rolling jack operation
- Multi-purpose work steps
- Automatic wheel stops



CL **4015EFX**

Specifications

	Alignment Rack		General Service		Alignment Rack		General Service	
	CL **AR4015EAO**	*CL* **AR4015XAO**	*CL* **4015EFO**	*CL* **4015XFO**	*CL* **AR4015EAX**	*CL* **AR4015XAX**	*CL* **4015EFX**	*CL* **4015XFX**
Style	Open Front	Open Front	Open Front	Open Front	Closed Front	Closed Front	Closed Front	Closed Front
Lifting Capacity	15,000 lb.				15,000 lb.			
Rise Height	78"				78"			
Width Overall	142" Front - 134½" Rear				134½"			
Length Overall	249"	276"	249"	276"	244½"	272"	244½"	272"
Max Wheelbase	182½"	210"	182½"	210"	182½"	210"	182½"	210"
Inside Columns	120" Front - 120" Rear				120"			
Width of Runways	20"				20"			
Max. 2 Wheel Alignment	166½"	194"	N/A		166½"	194"	N/A	N/A
4 Wheel Alignment	88" - 158"		N/A		88" - 158"		N/A	
Motor / Voltage	2HP, 208v - 230v (Single Phase Std.)				2HP, 208v - 230v (Single Phase Std.)			
Speed of Rise	85 Sec.				85 Sec.			
Min. Recomm. Bay Size	12' x 24'	12' x 26'	12' x 24'	12' x 26'	12' x 24'	12' x 26'	12' x 24'	12' x 26'

4-Post Optional Accessories

					
	CL **10310 Air/Electric Workstation**	**Rolling Jack**	*CL* **40200-3DSS Bolt on Alignment Kit**	*CL* **40230E(X) Internal Air Line Kit**	*CL* **10267 Oil Drain Pan**
CL **4P14**	Optional	*CL* **RJ7** (7.5K)	Optional	Optional	Optional
CL **4015series**	Optional	*CL* **RJ7** (7.5K)	Optional	Optional	Optional

SURFACE MOUNTED 14,000-LB. CAPACITY 4-POST LIFTS

CL Challenger Lifts

Features and Benefits

- 78" rise height provides more working room underneath vehicles.
- Louvered approach ramps for positive vehicle traction.
- Solid piece column construction provides rigidity and stability for rigorous servicing needs.
- Oversized solid machined steel pulleys for prolonged pulley and cable life
- Adjustable runways to accommodate a variety of tread widths.
- Hydraulic cylinder mounted underneath runway.
- 14 level locking positions for a variety of general service tasks.
- Optional bolt on alignment kit converts general service application into alignment rack.
- Many accessories available such as air/electric workstation, rolling jacks and oil drain pan make Challenger 4-posts a complete productivity center.



CL **4P14EFX**
(shown with optional 7.5k lb. capacity rolling jacks).

Item No.	*CL* 4P14EFX	*CL* 4P14XFX
Lifting Capacity	14,000 lb. (6,350kg)	
Max. Wheelbase	182½" (4,636mm)	210" (5,334mm)
Rise Height	78" (1,981mm)	
Length Overall	20' 5¾" (6,242mm)	22' 9¼" (6,940mm)
Width Overall	10' 10¾" (3,321mm)	
Inside Columns	116" (2,946mm)	
Between Columns	196" (4,978mm)	223½" (5,677mm)
Height of Columns	90½" (2,299mm)	
Width of Runways	20" (508mm)	
Height of Runways	7¼" (184mm)	
Width Between Runways (Min / Max)	40" / 43" (1,016 / 1,092mm)	
Air Supply Required	90-120 psi	
Motor	2HP	
Voltage (1 Phase Std.)	208-230 Volt	
Speed of Rise	75 Sec.	
Minimum Recommended Bay Size	12' x 24' (3,658mm x 7315mm)	12' x 26' (3,568mm x 7,925mm)

7,000 - 9,000-LB. CAPACITY PORTABLE OR FIXED MOUNTED 4-POST LIFT

- Heavy-duty commercial grade design with rigid formed columns and runways for superior strength and dependability, yet light enough to move around the garage with optional caster wheel
- 115v standard plug-in power unit with optional 220v version available
- Power unit can be mounted on driver front or passenger rear column for additional versatility in space constraining bays or garages
- Versatile design allows it to be either Free-Standing or Bolted-to-Floor.
- Built-in runway rail system accommodates optional rolling jacks, jack trays, drip trays, and storage platforms
- Large molecular composite slider blocks for minimal wear and maximum dependability
- Factory installed mechanical lock system meeting ANSI safety standards
- The 9,000 lbs. models have a large 12" x 12" column bases for additional rigidity, especially for free standing setup



CL **Q4P09H**
Storage Application



CL **Q4P09X**
Service Application

Specifications

	CL Q4P07	*CL* Q4P09H	*CL* Q4P09X	*CL* Q4P09W
Lifting Capacity	7,000 lb.	9,000 lb.	9,000 lb.	9,000 lb
Rise Height	68⅛"	73¼"	85½"	85½"
Width Overall	100½"	112¼"	112¼"	127¼"
Length Overall	195½"	209½"	233½"	233½"
Max Wheelbase	141½"	155"	179"	179"
Inside Columns	92⅛"	95"	95"	110"
Width of Runways	20"	20"	20"	20"
Motor / Voltage	1HP/115v or 2HP/220v			
Speed of Rise	120 Seconds/115v or 60 seconds/220v			
Min. Recomm. Bay Size	10' x 19'	11' x 20'	11' x 22'	12' x 22'

4-Post Optional Accessories



CL **QRJ03H 3.5K**
CL **QRJ04H 4.5K**
Capacity Rolling Jack



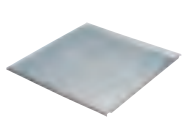
CL **Q4P09CS**
Caster Set (set of 4)



CL **Q4P09SP**
Aluminum Storage Platform (set of 3)



CL **Q4P09JT**
4.5K Capacity Jack Tray



CL **Q4P09DT**
Drip Tray Set (set of 3)



CL **QRJ04-PK**
Air / Hydraulic Pump Kit

HOFMANN

14,000-LB. 4-POST LIFTS

- 14,000 lbs. lifting capacity
- Open front design allows technician clear access to adjustment areas
- Low drive on of 7", eases approach angle
- Large diameter pulley reduces stress on lifting cables
- Filter regulator lubricator provides clean air supply to lift jacks
- Under runway mount hydraulic cylinder keeps area above lift clear, eliminating door damage

** Lock and lighted units come with front radius turn plates
** Patented feature directs light upward to illuminate front and rear adjustment areas
** Locking plates, activation from power control station

HOF **EELR705A** 14,000 lb capacity alignment lift
HOF **EELR707A**** 14,000 lb capacity alignment lift, includes front turn plates, locked and lighted alignment plates

18,000-LB. 4-POST LIFT

- 18,000 lbs. lifting capacity
- Closed-front alignment lift

HOF **FPA18210** 18,000 lb. capacity, 210" wheel base



HOF **EELR705A**
Shown with optional Roller Jacks

ALL HOFMANN 4-POST LIFTS FEATURE:

- Alignment level at 21 positions or flat runway versions for multi-purpose vehicle servicing
- Factory-installed air kit for connecting optional Roller Jacks
- 65" full-floating rear slip plates for longer wheelbase potential
- 52" approach ramps and 24" wide runways
- Triple Safety System: Safety locks in each column with single-point release, auto-engaging mechanical drop locks, and velocity fuses on all hydraulically-operated components
- ALI Certified to the current ANSI/ALCTV 2011 automotive lift standard

Specifications

	HOF **EELR705A** / *HOF* **EELR707A****	*HOF* **FPA18210**
Capacity	14,000 lbs.	18,000 lbs.
Front Accessibility	Open	Closed
Roller Jack Model	*HOF* **EELR510A**	*HOF* **RJWT9**
4-Wheel Alignment Wheelbase	70"-158"	86"-144"
2-Wheel Alignment	188"	203"
General Service Wheelbase	205"	220"
Runway Width	22"	24"
Overall Width	140 1/2"	152 1/8"
Overall Length	270 5/8"	303 3/8"
Lowered Height	7"	9 1/2"
Raised Height	74"	72"
Lifting Time	70 sec.	70 sec.
Shipping Weight (without jacks)	4,206 lbs.	5,465 lbs.
Power Requirements	230V, 1Ph	230V, 1Ph

**Lock & Lighted Model

Available with SHOCKWAVE ™



Model shown:
RTY **ARO14N100YBL**

Available with SHOCKWAVE ™



Model shown:
RTY **AR14N100YBL**

14,000-LB. CAPACITY 4-POST DRIVE-ON OPEN FRONT ALIGNMENT LIFTS

New ARO14 Lifts Includes two 7000 lb. rolling jacks, stainless steel radius gauges and rear slip plates. New productivity features and open front design.

Features

- New Higher rise to over 78" = more work area
- New Louvered ramps with polymer rollers - improved traction and less floor gouging
- New Available with SHOCKWAVE™ - creating 2X faster rise and descent
- New Powder coated hammer tone paint finish

14,000-LB. CAPACITY 4-POST DRIVE-ON CLOSED FRONT ALIGNMENT LIFTS

Closed front design along with all new productivity features. Includes two 7000 lb. Rolling jacks, stainless steel radius gauges and rear slip plates.

Features

- Patented Sentinel dual locking system
- 1/2" Steel cables for greater capacity
- Air operated lock release
- Air Filter / Regulator / Lubricator
- Adjustable lock ladders
- 7,000 lb. capacity rolling jacks
- 20" wide one-piece formed runway
- Adjustable lock ladders allow for expansion from general service lift to alignment lift with proper alignment kit.

Alignment Service Lifts*	*RTY* **ARO14N100YBL** *RTY* **ARO14N100YRD**	*RTY* **ARO14N101YBL** *RTY* **ARO14N101YRD**	*RTY* **ARO14N102YBL** *RTY* **ARO14N102YRD**	*RTY* **AR14N100YBL** *RTY* **AR14N100YRD**	*RTY* **AR14N101YBL** *RTY* **AR14N101YRD**	*RTY* **AR14N102YBL** *RTY* **AR14N102YRD**
Available w/ SHOCKWAVE™	*RTY* **ARO14U100YBL** *RTY* **ARO14U100YRD**	*RTY* **ARO14U101YBL** *RTY* **ARO14U101YRD**	*RTY* **ARO14U102YBL** *RTY* **ARO14U102YRD**	*RTY* **AR14U100YBL** *RTY* **AR14U100YRD**	*RTY* **AR14U101YBL** *RTY* **AR14U101YRD**	*RTY* **AR14U102YBL** *RTY* **AR14U102YRD**
Lift Design	Open Front Alignment			Closed Front Alignment		
Rise	78 3/4"			78 3/4"		
Max Wheelbase	158"	182"	215"	158"	182"	215"
Overall Length	19' - 1"	21' - 1"	23' - 10"	18' - 10"	20' - 10"	23' - 7"
Overall Width	11' - 7"			11'-7"		
Drive-thru Width	116 1/4"					
Max 2WH/4WH Alignment	152 1/4" / 142 1/2"	176 1/4" / 164 3/4"	209" / 164 3/4"	152 1/4" / 142 1/2"	176 1/4" / 164 3/4"	209" / 164 3/4"
Motor/ Voltage	2 HP, 208-230V, 1Ø / 5 HP, 110V					
Time of Full Rise	Time of full rise: 65 seconds					
Time of Full Rise w/ SHOCKWAVE™	Time of full rise: 35 seconds / Lowering time: 18 seconds					
Min Bay Size	15' x 23'	15' x 26'	15' x 28'	15' x 23'	15' x 26'	15' x 28'

Available with SHOCKWAVE ™



Model shown:
RTY **SMO14N100YBL**

Available with SHOCKWAVE ™



Model shown:
RTY **SM14N100YBL**

14,000-LB. CAPACITY 4-POST OPEN FRONT GENERAL SERVICE DRIVE-ON LIFTS

All new productivity features with an open front design.

Features

- New Higher rise to over 78" = more work area
- New Louvered ramps with polymer rollers - improved traction and less floor gouging
- New Available with SHOCKWAVE™ - creating 2X faster rise and descent
- New Powder coated hammer tone paint finish
- Alignment Conversion Kits Available

14,000-LB. CAPACITY 4-POST CLOSED FRONT GENERAL SERVICE DRIVE-ON LIFTS

New productivity features in a closed front design alignment conversion kits available.

Features

- Patented Sentinel dual locking system
- ½" Steel cables for greater capacity
- Air operated lock release
- Air Filter / Regulator / Lubricator
- Adjustable lock ladders
- 20" wide one-piece formed runway
- Adjustable lock ladders allow for expansion from general service lift to alignment lift with proper alignment kit.

General Service Lifts*	*RTY* **SMO14N100YBL** *RTY* **SMO14N100YRD**	*RTY* **SMO14N101YBL** *RTY* **SMO14N101YRD**	*RTY* **SMO14N102YBL** *RTY* **SMO14N102YRD**	*RTY* **SM14N100YBL** *RTY* **SM14N100YRD**	*RTY* **SM14N101YBL** *RTY* **SM14N101YRD**	*RTY* **SM14N102YBL** *RTY* **SM14N102YRD**
Available w/ **SHOCKWAVE™**	*RTY* **SMO14U100YBL** *RTY* **SMO14U100YRD**	*RTY* **SMO14U101YBL** *RTY* **SMO14U101YRD**	*RTY* **SMO14U102YBL** *RTY* **SMO14U102YRD**	*RTY* **SM14U100YBL** *RTY* **SM14U100YRD**	*RTY* **SM14U101YBL** *RTY* **SM14U101YRD**	*RTY* **SM14U102YBL** *RTY* **SM14U102YRD**
Lift Design	Open Front General Service			Closed Front General Service		
Rise	78¾"			78¾"		
Max Wheelbase	158"	182"	215"	158"	182"	215"
Overall Length	19' - 1"	21' - 1"	23' - 10"	18' - 10"	20' - 10"	23' - 7"
Overall Width	11' - 8½"			10' 11¾"		
Drive-thru Width	116¼"			116¼"		
Motor/ Voltage	2 HP, 208-230V, 1Ø / 5 HP, 110V					
Time of Full Rise	Time of full rise: 65 seconds					
Time of Full Rise w/ SHOCKWAVE™	Time of full rise: 35 seconds / Lowering time: 18 seconds					
Min Bay Size	15' x 23'	15' x 26'	15' x 28'	15' x 23'	15' x 26'	15' x 28'

BL = Blue / RD = Red. *Narrow bay models available. Consult factory for minimum bay size before ordering.



Model Shown: *FWD* **CRA14N100**
14,000 lbs. capacity closed front
Available in blue and red.

14,000-LB. CAPACITY 4-POST ALIGNMENT CLOSED FRONT SERVICE DRIVE-ON LIFTS

Service vehicles with wheelbases up to 206½"

Features

- New 80¾" rise for more overhead clearance
- NEW durable powder coat paint
- New heavy duty high-performance cables and sheaves
- 18 lock positions allow working at any height
- Single point lift operation
- Bolt on rear wheel slip plates have over 4 times more ball bearings for better alignments
- Internal airline standard
- Two (2) 7,000 lbs. Capacity Rolling Jacks
- Carbon Steel Front Radius Plates
- Full width slip plate allows for four wheel alignments up to 157"
- ALI/ETL Certified

OPTIONAL ALIGNMENT LIFT ACCESSORIES:

- Drive-through ramps
- LED runway light kit
- 2' extended runway kit



Model shown:
FWD **OR14N101**
Available in blue and red.

14,000-LB. CAPACITY 4-POST ALIGNMENT OPEN FRONT SERVICE DRIVE-ON LIFT

Service vehicles with wheelbases up to 215"

Features

- New Taller 78¾" rise for more overhead clearance
- New industry leading heavy duty high-performance cable and sheave system
- New Durable powder coat paint finish
- New 41" louvered ramps for improved traction
- New Patent pending articulating shaft design
- New Taller roller spacing reduces load on rollers
- New Wheel chocks automatically engage when lift is raised
- New polymer rollers protect floors
- Single point lift operation
- Bolt on rear wheel slip plates have over 4 times more ball bearings for better alignments
- Internal airline standard
- Two (2) 7,000 lbs. Capacity Rolling Jacks
- Carbon Steel Front Radius Plates
- Front work step
- ALI/ETL Certified

Specifications:	*FWD* **CRA14** / *FWD* **CRA14-X***	*FWD* **OR14N100YBL & RD** / *FWD* **OR14N101YBL & RD** / *FWD* **OR14N102YBL & RD**
Lift Design	Closed Front	Open Front
Max. Wheelbase	182.5" (4,635mm) 206" (5,232mm)*	158" (4,013mm) / 182.5" (4,635mm) / 215" (5,397mm)
Max. Two Wheel Alignment	166¾" (4,235mm) 190¾" (4,845mm)*	152¼" (3,887mm) / 176¼" (4,476mm) / 209" (5308mm)
Max. Four Wheel Alignment	157" (3,987.8mm)	142½" (3,619mm) / 164¾" (4,184mm) / 164¾" (4184mm)
Min. Four Wheel Alignment	103" (2,616.2mm)	66¾" (1,695mm) / 89" (2,260mm) / 89" (2,260mm)
Rise	80¾" (2,051mm)	78¾" (2,000mm)
Length Overall	20' 10" (6,350mm) 22' 10" (6,959mm)*	19' 1" (5842mm) / 21' 1" (6,705mm) / 23' 10" (7,213mm)
Width Overall	10' 11¾" (3,346mm)	11' 8½" (3,567mm)
Inside of Columns	116¼" (2,953mm)	116¼" (2,952mm)
Between Front and Rear Columns	195¼" (4,959mm)	170¾" (4,337mm) / 194¾" (4,946mm) / 227¾" (5,784mm)
Height of Columns	7' 6½" (2,281mm)	9' 1 11/16" (2,770mm)
Width of Runways	20" (508mm)	20" (508mm)
Height of Runways	9" (228mm)	7" (178mm)
Width Between Runways	43" (1,092mm) or 46" (1,168mm)	43" (1,092mm)
Front of Runway to Center of Radius Gauge	Adj. 22 11/16" - 37 11/16" (576-960mm)	Adj. 16"-20" (457-609mm)
Lifting Capacity	14,000 lbs. (6,350kg)	14,000 lbs. (6350kg)
Motor	2 HP	2 HP
Voltage Single Phase**	208v-230v	208v-230v
Time of Full Rise	72 seconds	79 seconds
Min. Bay Size	15' x 25' (4,572 x 7,620mm)	15' x 23' / 15' x 26' / 15' x 28' (4,572 x 7,010mm) / (4,572 x 7,925mm) / (4,572 x 8,534mm)

BL = Blue, RD = Red. * X= 2' Runway extension. ** Single phase standard; 3-phase available.

FORWARD LIFT



Model shown:
FWD **CR14N100**
Available in blue and red.

14,000-LB. CAPACITY 4-POST GENERAL CLOSED FRONT SERVICE DRIVE-ON LIFTS

Service vehicles with wheelbases up to 206½".

Features

- New 78¾" rise for more overhead clearance.
- New heavy duty high-performance cables and sheaves
- New Durable powder coat paint finish
- Single point lock release
- 18 lock positions allow working at any height
- ALI/ETL Certified

OPTIONAL LIFT ACCESSORIES FOR CLOSED AND OPEN FRONT DRIVE-ON LIFTS

- 7,000 lbs. rolling jacks
- Internal Air Line Kit
- Radius gauges
- Bolt-on alignment kit
- Drive Through Ramps
- 2 ft. runway extension
- LED runway light kit



Model Shown: *FWD* **CRO14N101Y**
14,000 lbs. capacity with optional rolling bridge jacks.
Available in blue and red

14,000-LB. CAPACITY GENERAL OPEN FRONT SERVICE DRIVE-ON LIFTS

Service vehicles with wheelbases up to 215".

Features

- New Taller 78¾" rise for more overhead clearance
- New industry leading heavy duty high-performance cable and sheave system
- New Durable powder coat paint finish
- New 41" louvered ramps for improved traction
- New Patent pending articulating shaft design
- New Taller roller spacing reduces load on rollers
- New Wheel chocks automatically engage when lift is raised
- New polymer rollers protect floors
- Single point lock release
- 18 lock positions allow working at any height
- ALI/ETL Certified

Specifications:	*FWD* **CR14N100YBL & RD** / *FWD* **CR14-X*BL & RD**	*FWD* **CRO14N101YBL & RD** / *FWD* **CRO14N102YBL & RD**
Lift Design	Closed Front	Open Front
Capacity	14,000 lbs. (6350kg)	14,000 lbs. (6350kg)
Rise	78¾" (2,000mm)	78¾" (2,000mm)
Maximum Wheelbase	182½" (4,635mm) 206½" (5,245mm)	L 182½" (4,635mm) EL 215" (5,461mm)
Overall Length	250" (6,350mm) 274" (6,960mm)	253" (6,426mm) 286" (7,264mm)
Overall Width	131¾" (3,346mm) 140½" (3,569mm)	140½" (3,569mm)
Width Inside Columns	116¼" (2,953mm)	116¼" (2,953mm)
Length Between Columns	195¼" (4mm)	L 195¼" (4,946mm) EL 227¾" (5,785mm)
Overall Height	90½" (2299mm)	109 1/16" (2,768mm)
Runway Width	20" (508mm)	20" (508mm)
Runway Height	7" (178mm)	7" (178mm)
Width Between Runways	43" (1,092mm) 46" (1,168mm)	43" (1,092mm)
Rise Time	72 seconds	79 seconds
Voltage Single Phase**	208V/230V	208V/230V
Motor	2HP	2HP
Minimum Bay Size	15' x 25' (4,572mm x 7,620mm) 15' x 27' (4,572mm x 8,230mm)	L 15' x 26' (4,572mm x 7,925mm) EL 15' x 28' (4,572mm x 8,534mm)

BL = Blue, RD = Red. * X= 2' Runway extension. ** Single phase standard; 3-phase available.
Specifications subject to change without notice or liability



Model shown: *FWD* **EFP8P000M**
8,000 lbs. capacity
Available in black only.

8,000-LB. CAPACITY 4-POST LIFT

Exclusive Adjustable Lock Ladder System - Double Your Parking Space Instantly!

- Multi-position locks allow runways to be level at any lock position
- Single point lock release
- Includes steel approach ramps
- Includes wheel caster kit
- Includes jack tray
- Includes drip trays
- Powder coat finish
- ALI/ETL Certified

9,000-LB. CAPACITY 4-POST LIFT

Exclusive Adjustable Lock Ladder System - Perfect For Home Use!

- Multi-position locks allow runways to be level at any lock position
- Single point lock release
- Includes steel approach ramps
- Includes wheel caster kit
- Includes jack tray
- Includes drip trays
- Powder coat finish
- ALI/ETL Certified



Model shown: *FWD* **EFP9P000**
9,000 lbs. capacity
Available in black only.

Specifications	*FWD* **EFP8P000M**	*FWD* **EFP9P000MBK**
Capacity	8,000 lbs.	9,000 lbs.
Rise	72"	84"
Overall Length w/ Approach Ramps	207½"	225½"
Overall Length w/o Approach Ramps	176"	193⅛"
Overall Width	115"	121"
Approach Ramp Length	36¾"	36¼"
Runway Width	18½"	21¾"
Runway Length	165½"	184½"
Runway Height	4½"	4¾"
Height of Columns	83"	97"
Clearance Between Columns	94"	109½"
Clearance Between Runways	38"	39"
Outside Runway to Outside Runway	74¾"	79"
Clearance Under Runway	68"	81"
Motor Specs	110VAC, 1HP	110VAC, 1HP



CRA18 HEAVY-DUTY RUNWAY ALIGNMENT LIFT

- 18,000 lbs. capacity runway alignment lifts
- Versatile drive-on lift - service cars, trucks and everything in between
- 4 wheel alignment service with wheelbases from 63" to 162"- maximum serve wheelbase – 230"
- Alignment lifts come standard with two carbon steel turning radius gauges - roll back bar allows the gauges to be placed in the front or back of the slot while keeping a flat runway surface.
- Longer slip plate designed to accommodate a greater wheelbase range for two and four-wheel alignments
- Alignment lifts come standard with two 9,000 lbs. capacity rolling jacks
- Single point lock release that releases all four columns at the same time
- Multi-position lock components allow lift to be level at any lock position
- Cylinders under runway
- ALI/ETL Certified

Specifications:

	FWD **CRA18N010BL** *FWD* **CRA18N010RD**	*FWD* **CRA18N011BL** *FWD* **CRA18N011RD**
Max. Wheelbase	194" (4,927mm)	230" (5,842mm)
Max 2 Wheel Alignment	177" (4,496mm)	213" (5,410mm)
Min/Max 4 Wheel Alignment	63" - 162" (1,600 - 4,115mm)	63" - 198" (1,600 - 5,029mm)
Rise	70" (1,778mm)	
Length Overall	22' 11 3/16" (6,990mm)	25' 11 3/16" (7,904mm)
Width Overall	11' 5¾" (3,499mm)	
Inside of Columns	121½" (3,086mm)	
Length Between Columns	212" (5,385mm)	248" (6,299mm)
Height of Columns	6' 5¾" (1,975mm)	
Width of Runways	22" (559mm)	
Height of Runways	9½" (241mm)	
Width Between Runways (min./max)	43" to 46" (1,092 - 1,168mm)	
Lifting Capacity	18,000 lbs. (8165kg)	
Motor	2 HP	
Voltage Single Phase *	208v-230v	
Time of Full Rise	100 seconds	
Min. Bay Size	16' x 27' (4,877 x 8,230mm)	16' x 30' (4,877 x 9,144mm)

Optional 3-phase available. BL = blue, RD = red

Specifications subject to change without notice or liability.

FORWARD LIFT



CR18 HEAVY DUTY 4-POST LIFT

18,000 lbs. capacity that can handle vehicles with wheel bases up to 230"

- Single point lock release that releases all four columns at the same time
- Multi-position lock components allow lift to be level at any lock position
- Cylinders under runway
- ALI/ETL Certified

FWD **CR18**

***Optional 3-phase available. BL = blue, RD = red**
Specifications subject to change without notice or liability

Specifications:

	FWD **CR18N000BL** *FWD* **CR18N000RD**	*FWD* **CR18N001BL** *FWD* **CR18N001RD**
Max. Wheelbase	194" (4,927mm)	230" (5,842mm)
Max 2 Wheel Alignment	177" (4,496mm)	213" (5,410mm)
Min/Max 4 Wheel Alignment	63" - 162" (1,600 - 4,115mm)	63" - 198" (1,600 - 5,029mm)
Rise	68" (1,727mm)	
Length Overall	22' 11 3/16" (6,990mm)	25' 11 3/16" (7,904mm)
Width Overall	11' 5 3/4" (3,499mm)	
Inside of Columns	121 1/2" (3,086mm)	
Length Between Columns	212" (5,385mm)	248" (6299mm)
Height of Columns	6' 5 3/4" (1,975mm)	
Width of Runways	22" (559mm)	
Height of Runways	7 1/2" (191mm)	
Width Between Runways (min./max)	43" to 46" (1,092 - 1,168mm)	
Lifting Capacity	18,000 lbs. (8,165kg)	
Motor	2 HP	
Voltage Single Phase *	208v-230v	
Time of Full Rise	105 seconds	
Min. Bay Size	16' x 27' (4,877 x 8,230mm)	16' x 30' (4,877 x 9,144mm)



AR18 HEAVY DUTY RUNWAY ALIGNMENT LIFT

- 18,000 lbs. capacity runway alignment lifts
- Versatile drive-on lift - service cars, trucks and everything in between
- 4 wheel alignment service with wheelbases from 63" to 162"- maximum serve wheelbase – 230"
- Alignment lifts come standard with two carbon steel turning radius gauges - roll back bar allows the gauges to be placed in the front or back of the slot while keeping a flat runway surface.
- Longer slip plate designed to accommodate a greater wheelbase range for two and four-wheel alignments
- Alignment lifts come standard with two 9,000 lbs. capacity rolling jacks
- Single point lock release that releases all four columns at the same time
- Multi-position lock components allow lift to be level at any lock position
- Cylinders under runway
- ALI/ETL Certified

Rotary

Specifications:

4 Post Lifts Blue / **4 Post Lifts Red**	*FWD* **AR18N010BL** *FWD* **AR18N010RD**	*FWD* **AR18N011BL** *FWD* **AR18N011RD**
Max. Wheelbase	194" (4,927mm)	230" (5,842mm)
Max 2 Wheel Alignment	177" (4,496mm)	213" (5,410mm)
Min/Max 4 Wheel Alignment	63" - 162" (1,600 - 4,115mm)	63" - 198" (1,600 - 5,029mm)
Rise	70" (1,778mm)	
Length Overall	22' 11 3/16" (6,990mm)	25' 11 3/16" (7,904mm)
Width Overall	11' 5 3/4" (3,499mm)	
Inside of Columns	121 1/2" (3,086mm)	
Length Between Columns	212" (5,385mm)	248" (6,299mm)
Height of Columns	6' 5 3/4" (1,975mm)	
Width of Runways	22" (559mm)	
Height of Runways	7 1/2" (191mm)	
Width Between Runways (min./max)	43" to 46" (1,092 - 1,168mm)	
Lifting Capacity	18,000 lbs. (8,165kg)	
Motor	2 HP	
Voltage Single Phase	208v-230v	
Time of Full Rise	100 seconds	
Min. Bay Size	16' x 27' (4,877 x 8,230mm)	16' x 30' (4,877 x 9,144mm)

18,000-LB. AND 30,000-LB. CAPACITY HEAVY-DUTY 4-POST LIFTS

- Adjustable lock bar ensures runways are level at any lock position: SM18 4-post lift only
- Includes air-operated remote release locking latches and inline filter/regulator
- Hydraulic cylinder located under runway with no obstructions
- Non-skid runway surface



RTY **SM18N001BL**



RTY **RJ9000YBK**
For SM18 4 Post Lifts.
Airline kit may be required.



RTY **RJ9000Y-2BK**
For SM30 Lifts.
Airline kit may be required.



RTY **RTYRJ150BK**
For SM30 Lifts
Airline lit may be required

Specifications

HD Drive-On 4 Post Lifts Blue	*RTY* **SM18N000BL**	*RTY* **SM18N001BL**	*RTY* **SM30N010BL**	*RTY* **SM30N011BL**	*RTY* **SM30N012BL**
4 Post Lifts Red	*RTY* **SM18N000RD**	*RTY* **SM18N001RD**	*RTY* **SM30N010RD**	*RTY* **SM30N011RD**	*RTY* **SM30N012RD**
Capacity:	18,000 lb.		30,000 lb.		
Rise:	68"		68"		
Overall Length:	22' $11^{3}/_{16}$"	25' $11^{3}/_{16}$"	25' $8^{1}/_{8}$"	28' $8^{1}/_{8}$"	31' $8^{1}/_{8}$"
Overall Width:	11' $5^{3}/_{4}$"		12' $4^{13}/_{16}$"		
Drive-thru Width:	$121^{1}/_{2}$"		132"		
Max./Min. Wheelbase:	194"	230"	235"	271"	307"
Motor/Voltage:	2 HP, 208-230v, 1Ø		4 HP, 208-230v, 1Ø		
Min. Bay Size:	16' x 27'	16' x 30'	16' x 30'	16' x 33'	16' x 36'

DRIVE-ON LIFT ACCESSORIES – INCREASE PRODUCTIVITY IN THE BAY!

Drive-On Lifts & Accessories	6,000; 7,000; 9,000; 15,000 lbs. Rolling Jacks	Oil Drain Pans	Drive-Thru Ramps*	Bolt-on Alignment Kit*	Conversion Kits from SM18 to AR18*	Air/Electric Utility Box	Internal Airlines	Removable Work Step	Tech Light Runway Light Kits	Lock Light Lift on Locks Indicator
RTY **SM14/SM014 - 100 Series**	**RJ7000Y**	**FC5967BK**	**S100151Y**	**S100129 - S S100130 - L S100131 - EL**	—	**FA915 Kit**	**FC5760-14**	**FC5663BK**	**FA5700**	**FA834** / 110V **FA835** / 220V
RTY **AR14/ARO14 - 100 Series**	(2) **RJ7000Y** Included	**FC5967BK**	**S100151Y**	—	—	**FA915 Kit**	**Included**	**FC5663BK**	**FA5700**	**FA834** / 110V **FA835** / 220V
RTY **SM18**	**RJ9000YBK**	**FC5967BK**	**FC5825**	—	**S100126 - S S100128 - EL**	**FA915 Kit**	**FC5760-14**	**FC5663BK**	**FA5700**	**FA834** / 110V **FA835** / 220V
RTY **SM30**	**RJ9000Y-2BK** or **RJ150BK**	**FC5968BK**	**FC5780-3**	**FC5396**	—	**FA2259BK**	—	—	**FA5700**	**FA834** / 110V **FA835** / 220V
RTY **Y12**	**RJ6000Y**	**FC5967BK**	**Z100008**	—	—	—	**FC5760-14**	—	**FA5700**	**FA834** / 110V **FA835** / 220V
RTY **YA12**	(2) **RJ6000Y** Included	**FC5967BK**	**Z100008**	—	—	—	**Included**	—	**FA5700**	**FA834** / 110V **FA835** / 220V

**** Available in Red (RD) or Blue (BL) Order part number with color suffix***

13,500-LB. AND 18,500-LB. CAPACITY MOBILE COLUMN LIFTING SYSTEMS

- Hydraulic operated units provide *CL* **CLHM135** lifting capacity from 27,000 lbs (set of 2 - *CL* **CLHM135**) to 148,000 lbs. (set of 8 - *CL* **CLHM185** and *CL* **CLHM185W**) enabling lifting from small passenger cars to heavy-duty trucks, transit, and municipality vehicles.
- 110 volt built in multi-stage charging system.
- Wireless system for clutter free work area without cables to connect, navigate around, roll-over or replace.
- Adjustable carriages eliminate the need for small wheel adapter while providing the necessary width to accommodate larger wheels.
- 12 radio frequencies with a channel range from 100-120 for each frequency to prevent radio noise from interrupting service.
- Linear position transducers maintains system synchronization and ensures maximum reliability.
- Integrated touch screen control console provides easy-to-use and precise operating.
- Precise balanced design, heavy-duty tow handle and spring loaded wheels make moving and aligning individual lift units simple and easy with little effort.
- Battery operated with 12 volt deep cycle battery(s) eliminates the need for power source hook-ups and provide 24 volt operation. Batteries Included!
- Integrated weight gauges help prevent column overloading and verifies lock engagement.



CL **CLHM185**



CL **CLHM135**

Item No.	*CL* CLHM-135	*CL* CLHM-185	*CL* CLHM-185W
Lifting Capacity Per Column	13,500 lbs (6,124kg)	18,500 lbs (8,391kg)	18,500 lbs (8,391kg)
Height of Lift Unit	88½" (2,248mm)		
Height of Lift Unit at Full Rise	157⅛" (3,991mm)		
Width of Lift Unit	44¼" (1,124mm)		
Length of Lift Unit	53⅝" (1,362mm)		
Maximum Lift Height (4 or more units)	69" (1,753mm)		
Maximum Lift Height (2 units - Normal Mode)	32" (813mm)		
Min-Max Wheel Diameter	5" 24½" (127 622mm)		4" - Max determined by tire diameter (102mm-)
Max. Hydraulic System Operating Pressure	2,180 psi	3,000 psi	3,000 psi
Lift Speed (Max Load)	60" (1,524mm) per Min		
Weight of Lift Unit	1,485 lbs (674kg)	1,500 lbs (680kg)	1,565 lbs (710kg)
Footprint of Lift Unit	425" (10,795mm)	560" (14,224mm)	600" (387096mm)
Ground Pressure for each Lift (Max. Load)	35.3 psi	35.7 psi	35.7 psi
Turning Radius of Lift Unit	47" (1,194mm)		
Operating Peak Power	4 hp		
Operating Voltage	24 VDC Nominal		
Charger Voltage Required	120 VAC @ 60 Hz		
Charger Amps Required	2.5 Amps		

MOBILE COLUMN LIFTING SYSTEM OPTIONAL ACCESSORIES



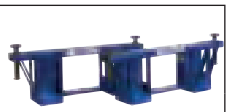
Short Support Stand
20,000 lb. capacity each, adj. height of 20" - 32", 1" adj. increments (1 pair)
CL **CLHM-10-TH**



Med. Support Stand
20,000 lb. capacity each, adj. height of 30" - 52", 1" adj. increments (1 pair)
CL **CLHM-10-THF**



Hi-Rise Support Stand
18,000 lb. capacity each, adj, height of 46¾" - 84"
CL **CLHM-THR**



End Lift Adapter
9,000 lb. capacity (per column) used to support vehicle from front and back *Designed specifically for Humvee lifting
CL **CLHM-ELA-90A**



Cross Beam Adapter
32,000 lb. capacity used to lift by frame rails
CL **CLHM-CB-32A**



Light Kit (pair)
Illuminate work areas under the vehicle. 2 lights per kit - 1 light per column
CL **CLHM-LS-LK**



Fork Lift Adapter
15,000 lb. capacity used to raise fork lift 64"
CL **CLHM-FLA**



Clutch Jack
Air/hydraulic powered, 300 lbs. capacity, 360° rotating head, 80½" max. lifting height
CL **CLHM-HR-300**



Transmission Jack
2,700 lbs. capacity, 30" start height, max. height of 72", 360° rotating head with fore and aft tilt, 1st stage power: 100% air, 2nd stage power: air/hydraulic for precise control
CL **CLHM-HTCJ-2000**



Wheel Dolly
1,200 lbs. capacity, max lifting height of 51", air assisted hydraulic power system, flexible design works with super single and dual wheel assemblies, combines fore/aft and side to side tilt adj.
CL **CLHM-WDH-12**

13,000-LB. CAPACITY MACH™ SERIES MOBILE COLUMN LIFTS (MOBILE COLUMN HYDRAULIC)

Mobile Column Lifting System

Operator friendly designs and features that give you a mobile lift thats easier to use - set up is over 30% faster than similar lifts. The MCH13 is the perfect combination of capacity, features and value. Lift trucks and light duty vehicles with two, four, six or eight columns. Lift up to 104,000 lbs.

Features

Patented Intuitive Control Console
- Rotary's exclusive control console allows the lift to be fully controlled from any column

Battery Operated
- On-Board Internal Charger With Lighted Display. During use, there are no power cords to clutter up the service bay improving portability.

Horseshoe wiring
- While other mobile column lifts are connected by four cables, the wired MACH Series columns use just three (forming a horseshoe), so the front or back of the lift is always open. Vehicles can be driven in and out of the bay without wasting time to disconnect and reconnect cables.

Quick Connect Cables
- Included with the lift, these lightweight and easy to connect cables are 33 feet long.

Inverted Hydraulic Cylinder
- The hydraulic cylinder is inverted inside the carriage and the chrome piston rod is protected from debris and damage. This extends the life of the column and reduce maintenance frequency and cost

Easy to move adjustable forks
- Improves set up time without the need for reducer sleeves. Adjustment range is 6.3" to 23.6" to accommodate approximate wheel rim sizes of 9" to 24".

Spring-Loaded Steering / Braking System
- No need to manually pump the jacks up to move the columns in and out - saves precious time on every set up

Forklift Pockets
- Provide a convenient way to relocate columns within your shop.
- Included with every lift, they are clearly labeled for easy handling.

Use The Lift On Any Concrete Surface

Mobile Column Lift	*RTY* MCH413	*RTY* MCH613	*RTY* MCH813
Column configuration	4	6	8
Capacity	52,000 lbs.	78,000 lbs.	104,000 lbs.
Rise	69" (1,760 mm)		
Column width	43" (1,092 mm)		
Wheel Rim Size	9"to 24" (228 to 610 mm)		
Clearance from fork to column	10" (254 mm)		
Speed of rise	68 seconds		
Charging voltage	110v - 240v / 50/60Hz charger**		

MCH13 Frame-Engaging Lifting Kit



12,000 lbs. capacity fore and aft, frame-engaging end lift enables lifting by the front and rear of the vehicle using stacking adapters. *RTY* **MCH1** truck lift kit *RTY* **M140079** is for use with two *RTY* **MCH13** series columns only.

	RTY M140079 *RTY* MCH213 MODEL ONLY
Column Configuration	2
Capacity*	12,000 lbs.
Rise	69" (1,760mm)
Clearance From Fork To Column	10" (254mm)
Speed Of Rise	68 seconds
Charging Voltage**	110v - 240v 50/60Hz charger

At rated capacity.
***** Call factory for alternate voltage.***

Battery Operated!





2 COLUMN CONFIGURATION 12,000 lbs. CAPACITY

Model shown:
RTY **MCH213U1A00RDYL** with *RTY* **M140079** Truck Frame Kit 12,000 lbs. capacity

Model shown:
RTY **MCH213U1A00**

4 COLUMN CONFIGURATION 52,000 lbs. CAPACITY



Model Shown:
RTY **MCH413U1A00RDYL**

MACH™ SERIES MOBILE COLUMN LIFTS ACCESSORIES

OPTIONAL WEIGHT GAUGE



Know what you are lifting instantly with this column gauge. These gauges approximate the weight being lifted by one column - converting pressure into a weight.

RTY **M140019**

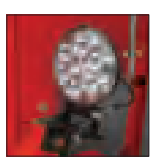
LARGE WHEEL KIT



Larger tires are raised on ramps to allow for proper fork placement. *RTY* **MCH18** and *RTY* **MCH13** approved.

RTY **M120304**

LED LIGHTING



High-efficiency service lamps with single touch operation provide convenient hands-free lighting from the lift's control panel. Operates on the column's battery power.

RTY **M140082**

JACK STANDS



Available in 13,000, 18,000 and 33,000 lbs. capacities with spring loaded caster wheels for easy positioning and portability.

Item No	Description
RTY **RS13YL**	13,000 lbs
RTY **RTYRS18**	18,000 lbs
RTY **RS33YL**	33,000 lbs



18,000-LB. CAPACITY FIXED FORK SERIES MOBILE COLUMN LIFTING SYSTEM (MOBILE COLUMN HYDRAULIC)

Operator friendly designs and features that give you a mobile lift thats easier to use - set up is over 30% faster than similar lifts. 4 or 6 column configurations accommodate heavy duty trucks and light duty passenger vehicles. Lift up to 108,000 lbs.



Battery Operated!

Model Shown:
RTY **RCHU2F4001**

Features

Exclusive Patented Control System
- No master/slave column - lift can be controlled from any column

Battery Operated With Internal Charger
- No power cords to clutter up the service bay improving portability.

Hydraulic Cylinder
- The hydraulic cylinder is inverted and the chrome piston rod is protected from debris and damage at all times extending the life of the product and substantially reducing maintenance costs.

Horseshoe Wiring
- While other mobile column lifts are connected by four cables, the wired RCH4 uses just three (forming a horseshoe), so the front or back of the lift is always open.

Quick Connect Cables
- Lightweight, easy to connect and 33 feet long

Fixed Forks
- Fit most large truck tires without adjustment - reducer sleeves available

Automatic Steering System
- No need to manually pump the jacks up to move the columns in and out - save precious time on every set up

Forklift Pockets
- A convenient way to relocate columns within your shop. Included with every lift, they are clearly labeled for easy handling.

Use The Lift On Any Concrete Surface

Specifications

Mobile Lift	*RTY* **RCH4F**	*RTY* **RCH6F**
Column Configuration	4	6
Capacity	72,000 lbs.	108,000 lbs.
Rise	70" (1,778mm)	
Column Width	45.5" (1,156 mm)	
Tire Dimensions	21" to 24" (533 - 610mm) Truck road tires	
Clearance From Fork To Column	10" (254mm)	
Speed Of Rise	78 seconds	
Charging Voltage	110v-240v / 50/60Hz charger•	
Battery Type	NG - 24 to 27*	

• Call factory for alternate voltage
**** Batteries not included - requires 2 per column***

FIXED FORK SERIES MOBILE COLUMN LIFTING SYSTEM ACCESSORIES

LED LIGHTING

high-efficiency led lighting with convenient, single touch operation at the control panel provides hands-free lighting under the vehicle.
RTY **M140082**



OPTIONAL WEIGHT GAUGE

know your load weight with this column gauge. these gauges approximate the weight being lifted by one column - turning pressure into weight.
RTY **M140019**



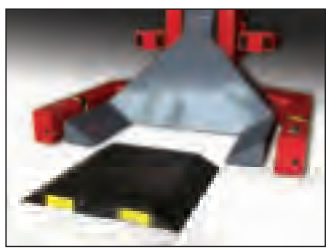
REDUCER SLEEVES

steel reducer sleeves slide onto the forks to allow proper contact with smaller radius tires.
(14" to 20" tires / 356-508mm)
RTY **M140071**



LARGE WHEEL RISER KIT

larger tires are raised on ramps to allow for proper fork placement.
RTY **M140030**



JACK STANDS

Available in 13,000, 18,000 and 33,000 lbs. capacities with spring loaded caster wheels for easy positioning and portability.

Item No	Description
RTY **RS13YL**	13,000 lbs
RTY **RTYRS18**	18,000 lbs
RTY **RS33YL**	33,000 lbs





RTY **YA12N1100BL**

Y-LIFT™ 12,000-LB. CAPACITY ALIGNMENT RUNWAY LIFT

Uses a patented design to provide faster up/down speeds and more work area and access under the lift than traditional scissors lifts. Adjustable radius gauge pockets and oversized rear slip plates to handle 4 wheel alignments from 71½" – 158" wheelbases. Compatible with all leading alignment instrumentation, including 3D and camera alignment equipment. Low-profile ramp chocks with rollers for smooth operation.

Options

- Can be flush mounted or recessed.
- Single phase 208/230v
- Extended ramps (14" longer than standard)
- General Service flat top Y-Lift available
- Stainless-steel radius gauges
- Stainless-steel rear slip plate pan
- Swing jacks
- Lighting kit

Specifications

Model	*RTY* YA12N1100BL / *RTY* YA12N1100RD	*RTY* YA12N1110BL / *RTY* YA12N1110RD
Capacity	12,000 lb. (5443 kg.)	
Rise	68 3/16" (1,732 mm)	
Overall Length	260" (6,604 mm)	270" (6,858 mm)
Overall Width	88" (2,235 mm)	
Length of Runways	202" (5,131 mm)	212" (5,385 mm)
Max. Wheelbase	179½" (4,459 mm)	189½" (4,813.3 mm)
Max. 2-Wheel Align	164½" (4,178 mm)	174½" (4,432 mm)
Max. 4-Wheel Align	158" (4,013 mm)	
Min. 4-Wheel Align	71½" (1,816 mm)	
Width of Runways	24" (610 mm)	
Height of Runways	11 3/16" (284 mm)	
Width Between Runways	40" (1,016 mm)	
Rise Time**	37 seconds	
Lowering Time**	45 seconds	
Power	1Ø 208/230v	

**** Lower and rise speeds vary with voltage and vehicle weight. Radius gauges are not included.**
BL = blue, RD = red

6,000-LB. CAPACITY PORTABLE MID-RISE LIFTS

- Portable mid-rise lift with heavy-duty tow dolly provides flexibility to service vehicles anywhere, inside or out
- Single push button power unit with release valve provides convenience when lifting and lowering vehicles
- Slip-on rubber pad adapter kit with height extension accommodates high profile vehicles
- Sliding/rotating arm design accommodates meeting pick-up points on a wider range of vehicles
- 7 locking positions increase productivity and minimize fatigue
- Electric motor mounted to tow dolly provides convenience and ease of maneuverability

Specifications

Black Item No.	*CL* MR602
Lifting Capacity	6,000 lb.
Rise Height	52 13/16"
Overall Length	7' 10"
Overall Width	39½"
Min. Collapsed Height	5½"
Hydraulic Hose	12'
Safety Lock Positions	6
Motor	1HP, 115v
Speed of Rise	45 Sec.



CL **MR6**

HOFMANN

SCISSOR ALIGNMENT LIFTS

Scissor alignment lifts offer the most economical use of bay space, using 25% less space than 4-Post lifts and less front to back space than comparable parallel-style lifts.



HOF **EELR709A**

Features

- Uses less space
- Lifts straight up and down for maximum space utilization
- Open front access to adjustment areas
- Multiple alignment level position for maximum flexibility and user comfort
- Wide width runways easily accommodates cars and trucks
- Back-up Safety System - automatic engaging mechanical drop locks and flow sensitive hydraulic valves
- Optional premium front turnplates - Included on Lock and Lights models
- Maintenance reduce flush mounted, full floating rear slip plates
- No chains or cables to wear out

True Task™ Lighting System*

- Front lights are mounted into the base of the turnplate and accommodate wider vehicles
- Optimized positioning of rear light bars increase the viewing angle and illuminate the widest range of vehicle track widths

Standard Locking Components*

- Turnplates and slip plates that can be pneumatically locked from the operator console
- Ensures the proper amount of movement in all directions are always available to perform alignments

***Lock & Lighted Models** *HOF* **BLA14178LL** / *HOF* **BLA14178LLFM**

Specifications

Item No.	Open Front	Fully Open Front and Rear	4-Wheel Alignment Wheelbase (Min./Max.)	2-Wheel Alignment Wheelbase	General Service Max. Wheelbase	Overall Width	Runway Width	Overall Length	Raised Height	Shipping Weight (without Jacks)
HOF **EELR709A**	Y	89"-158"	165"	179"	—	90"	24"	242"-294"	70"	6,420 lbs
HOF **EELR724A**	Y	89"-158"	165"	179"	—	90"	24"	220"	57½"	5,850 lbs.
HOF **BLA14178** / *HOF* **BLA14178LL**	Y	88"-155"	176"	192"	—	92½"	26"	270"	72"	5,500 lbs.
HOF **BLA14178FM** / *HOF* **BLA14178LLFM**	Y	88"-155"	176"	192"	—	92½"	26"	240"	62"	5,250 lbs.

L = Locking and Lighted, Front and Rear Plates.
FM = Flush Mount installation - All flush mounted lifts will have a lowered height to floor grade of 0".
HOF **EELR709A** / *HOF* **EELA724A** have 12,000 lb. lifting capacity with a rise time of 95 seconds and a lowering time of 45 seconds. Minimum lowered height of 12K surface mounted is 12½".

FORWARD LIFT

LIGHT-DUTY MID-RISE LIFT

The mid-rise lift is an excellent choice for low ceilings or adding a bay for seasonal increases in business. Provides good working height for tires, brakes and body repairs.

- Full 6,000 lbs. capacity
- Portable
- Two hydraulic cylinders
- Fast operation: 20-30 seconds
- Multiple locking positions
- Truck adapters included
- Black



Specifications

Capacity ..... 6,000 lbs.
Rise ..... 52"
Length ..... 83"
Width ..... 41"
Fully Lowered ..... 5"
Voltage/Amps ..... 110v, 15 amps
Motor/Phase 1 HP/1Ø*

*** Optional 3-phase available.**

FWD **6000MRLFBK**

7,700-LB. CAPACITY LOW PROFILE DOUBLE SCISSOR LIFTS

Features and Benefits

- Double scissor lifting for taller rise allows more overall working clearance.
- Reinforced diamond plated ramps easily flip up to extend platform.
- Mechanical safety lock with air actuated release allows technician to work at anergonomic height to increase productivity and minimize fatigue.
- Lift transition cam provides a more controlled and smoother rise and descent.
- The hydraulically synchronized system provides 7,700 lbs lifting capacity.
- Power unit console houses three simple button push controls.
  - – Raise
  - – Lower
  - – Lock Release

Item No.	*CL* DX77	*CL* DX77R
Lifting Capacity	7,700 lbs.	
Installation	Standard	Flush Mount
Rise Height	74½" (1,890mm)	70" (1,775mm)
Overall Length (Lowered)	82¾" (2,102mm)	
Overall Length (Raised)	83¼" (2,114mm)	
Overall Width	79¾" (2,026mm)	68¼" (1,733mm)
Platform Length	59" (1,500mm)	
Plate Form Width	23½" (600mm)	
Width Between Plat Forms	21" (533mm)	
Ramp Length	11¾" (300mm)	
Lowered Height	4½" (116mm)	—
Motor	2HP, Single Phase, 60Hz	
Voltage	208/220V	
Air Supply Required	90-120 psi	
Speed of Rise	43 Seconds	
Max Load Platform	3,850 lbs.	



CL **DX77**



Independent control console provides convenience and safety.



CL **DX77R**

Included Adapters:



Optional Extended Ramps:



1,750-LB. CAPACITY MOTORCYCLE/ATV LIFTS

- Precision formed platforms and scissor arms
- Integrated base for stability and smooth operation
- Multiple lock positions
- Solid approach ramps standard
- Front and Rear drop down panels for wheels free access.



CL **QML1750A**
Shown with optional wheel clamp

Specifications

	CL QML1750A
Lifting Capacity	1,750 lb.
Max. Raised Height	40"
Lowered Height	8"
Plate form Width	29½"
Plate form Length	86½"
Drop Down Panels	Front/Rear
Foot Pedal Operation	Dual
Air Supply Required	85-115 psi

Motorcycle/ATV Lift Optional Accessories



CL **QML01WC Deluxe Wheel Clamp**
Optional



CL **QML01CJ 1,000 lb. Center Jack**
Optional



CL **QML02SP ATV Side Panel Set**
Optional





Standard Adapters
CL **SR10-001** - (4) Two position adapter blocks

CL **SRM10**

10,000-LB. CAPACITY SHORT RISE SCISSOR LIFT

- Dual hydraulic cylinders provide 10,000 lb. lifting capacity
- Standard 2 position spotting blocks reach pick up points on wider range of vehicles
- 3 locking positions allow technician to work at an ergonomic working height to increase productivity and minimize fatigue
- Standard storage trays prevent lug nuts and other small parts from being misplaced
- Premium powder coated finish provides long lasting durable finish

Specifications

	CL SRM10
Lifting Capacity	10,000 lb.
Rise Height	22"
Lowered Height	4¼"
Overall Width	85"
Overall Length	90½"
Plat Form Overall Length	50"
Rearward Movement	13¼"
Motor	1HP, Single Phase, 60Hz, 115v

FORWARD LIFT

MOTORCYCLE LIFTS

- Front wheel vise prevents wheel movement during securing, lifting and maintenance.
- Foot pedal controlled air valve operates on 100 psi air.
- Rear section (for the Droptail version) is removable for complete rear wheel access.
- Side extensions are standard for ATV and additional vehicle service.
- The motorcycle lift comes with a wheel vise and two 12" extensions, making it great for motorcycles, ATVs, lawn mowers, golf carts, etc.
- Drop Tail version includes wheel jack for wheel and tire service.

Specifications

Capacity	1,000 lbs.
Rise	33"
Min. Height	7¼"
Length with Ramp	113"
Length without Ramp	93"
Width of Platform	24"
Width with ATV Adapters	48"
Air Requirements	90-100 PSI

FWD **1000MCLMFBK** Black
FWD **1000MCLDTMFBK** Black, Drop Tail Version



FWD **1000MCLDTBK**
Drop Tail Version


Challenger Lifts
NAPA
BRAKE SERVICE

TIRE CHANGERS

Bead Breaking Tools 663, 672
Bead Seating Tools 671-672
Cap Nut Wrenches 656-657
Impact Sockets 661-662
Lock Ring Tools 664
Lug Wrenches 654-656
Manual Tire Changers 676
Tire Changers
- Bosch® 647-650
- COATS® 642-646
- Hofmann® 651-653

Tire Hammers & Handles 669-670
Tire Inflation Cages 673-675
Tire Mounting Chemicals 672
Tire Mounting/Demounting Tools 665-668
Torque Sockets 657-660
Valve Breakers 669
Wheel Cover Pullers/Replacers 676
Wheel Lifting Bar 669
Wheel Lock Removal 660-661

coats



X-SERIES® 90X RIM CLAMP® TIRE CHANGER

For When The Customer Demands The Best.

- Two-speed electric motor
- Hybrid Leverless Duckhead® Mount/Demount Head Tool
- RoboRoller® helper device
- Robo-Arm®

CTC **90XEHL** Electric, Hand, Leverless
CTC **90XAHL** Air, Hand, Leverless

X-SERIES® 50X-1 RIM CLAMP® TIRE CHANGER

Best-In-Class External Clamping Range

- Best-in-class clamping capacity
- Bead loosener – hand actuated
- Coats® Duckhead® Mount/Demount Head Tool
- Robo-Arm® ready tower

Item No.	Description
CTC **50XAF1**	Air, Foot, Basic
CTC **50XEF1**	Electric, Foot, Basic
CTC **50XAH1**	Air, Hand, Basic
CTC **50XEH1**	Electric, Hand, Basic



X-SERIES® 70X-3 RIM CLAMP® TIRE CHANGER

Advanced Features And A Best-In-Class External Clamping Range

- Best-In-Class Clamping Capacity
- Robo-Arm® helper device
- Hybrid Duckhead® Mount/Demount Head Tool
- Single point sealer

Item No.	Description
CTC **70XAF3**	Air, Foot, Premium
CTC **70XEF3**	Electric, Foot, Premium
CTC **70XAH3**	Air, Hand, Premium
CTC **70XEH3**	Electric, Hand, Premium



GTS SERIES GTS-70 TILT-BACK TIRE CHANGER

Coats® Reliability And Durability Meets Tilt-Back.

- Two-speed electric motor
- Robo-assist
- Rim protection tower
- Powered roller disk

CTC **GTS-70**



X-SERIES® 70X-1 RIM CLAMP® TIRE CHANGER

Best-In-Class External Clamping Range

- Best-in-class clamping capacity
- Robo-Arm® helper device
- Bead loosener – hand actuated
- Coats® Duckhead® Mount/Demount Head Tool

Item No.	Description
CTC **70XAF1**	Air, Foot, Basic
CTC **70XEF1**	Electric, Foot, Basic
CTC **70XAH1**	Air, Hand, Basic
CTC **70XEH1**	Electric, Hand, Basic



GTS SERIES GTS-60 TILT-BACK TIRE CHANGER

Coats® Reliability And Durability Meets Tilt-Back.

- Two-speed electric motor
- Powered roller disk
- Rim protection tower
- Bead loosener – hand actuated

CTC **GTS-60**



coats

GTS SERIES GTS-50 TILT-BACK TIRE CHANGER

Coats® Reliability And Durability Meets Tilt-Back.

- Two-speed electric motor
- Bead loosener – hand actuated
- Rim protection tower
- Single point sealer

CTC **GTS-50**



RC SERIES RC-55 RIM CLAMP® TIRE CHANGER

Reliable. Dependable. Durable.

- RC Robo-Arm®
- Built-in bead sealing jets
- Conveniently placed foot pedals
- Compact chassis

CTC **RC55E** Electric
CTC **RC55A** Air



RC SERIES RC-45 RIM CLAMP® TIRE CHANGER

Reliable. Dependable. Durable.

- Built-in bead sealing jets
- Conveniently placed foot pedals
- Compact chassis
- Manual swing arm

CTC **RC45E** Electric
CTC **RC45A** Air



DROP CENTER TOOL

Assists in mounting low profile, high performance tires by holding bead in dropcenter of rim. Like an "extra hand"!

CTC **435685**





CTC **5607787**



CTC **5607986**

GRIP-MAX® PLUS LAMINATED CLAMPS KIT

Includes 4 clamps, 4 plungers, 1 extra set of grips. Fits all Coats® "X" model tire changers.

Item No.	Description
CTC **5607787**	6"-22" external clamping on 50X & 70X, 9"-30" external clamping on APX
CTC **5607986**	16"-28" clamping on 50X & 70X, not for use on APX

ROBO-ARM® UPGRADE KITS

For Coats® 50x & 60X series Trim Clamp Tire Changers

Robo-Arm® offers improved capability and speed. They allow older tire changers in service to be upgraded to more easily handle difficult tires such as low profile and run flats. Upgrade kits bolt onto the tire changers giving the operator a powerful extra arm.

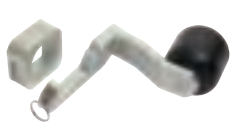


Item No.	Description
CTC **5009943**	Robo-Arm® for Coats®, up to 28" wheels and 18" of vertical reach

DUCKHEAD® MOUNT/DEMOUNT HEAD ROLLER

Prevents low profile tires from slipping back up over the mount head during installation. Fits 50/60/70/RC series, not for use with Manual Bead Roller.

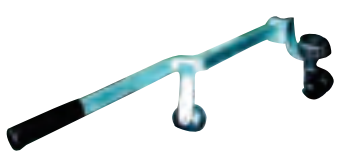
CTC **5606462**



MANUAL BEAD ROLLER KIT

Manual bead roller kit.
Fits 50/60/70/RC series.

CTC **184052**



coats

NYLON DUCKHEAD® MOUNT/DEMOUNT HEAD



Nylon Mount/Demount Heads provide superior protection, helps reduce the risk of marking alloy rims.

Item No.	Description
CTC **183061**	Standard Head, Fits 50/60/70/RC series machines
CTC **184432**	High-Spoke Head, Fits 50/60/70/RC series machines
CTC **3008403**	Head for *CTC* **9010**, *CTC* **9024**, and *CTC* **APX**

MOUNT HEAD INSERTS



Inserts designed to fit steel heads.
A quick and easy way to add protection.

Item No.	Description
CTC **182961**	2-Pack Standard Inserts, Fits 50/60/70/RC series machines
CTC **182963**	12-Pack Standard Inserts, Fits 50/60/70/RC series machines
CTC **9209611**	6-Pack Clips for *CTC* **9010**, and *CTC* **9024**
CTC **183374**	12-Pack Motorcycle Head

LEVERLESS DUCKHEAD® MOUNT/DEMOUNT HEAD HOOK & TAIL BOOTIE KIT

CTC **9233409** 6 hook, 2 tail





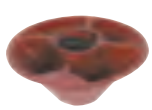
CTC **4070A**



CTC **000768**



CTC **107790**



CTC **108276**

CENTER POST TIRE CHANGER

New for 2014, *CTC* **4070A** center post tire changer changes tires on wheels with diameters from 10" to 18", 19" rim width and 38" maximum tire diameter. The 7.5 gallon surge tank provides a blast to seat even tough, narrow tires, while the positioning pin is designed so the operator is not required to remove the cone to reposition the tire. Additional changes to the New Coats® center post include a redesigned bead loosener system that has been consolidated to a single shoe for easier positioning and a "powered" reverse function.

Item No.	Description
CTC **4070A**	Center Post Tire Changer
CTC **108276**	Hold-Down Cone used to secure wheel to tire changer during bead loosening and mount and demount operations
CTC **107790**	Custom Wheel Protector Set prevents marring and scratching
CTC **000768**	Combo Tool



CTC **183604** *CTC* **5000783** *CTC* **183606**

RIM CLAMP PROTECTORS

Protectors reduce the risk of damage to expensive rims.

Item No.	Description
CTC **183604**	Clamp Covers, Fits 50/60/70/RC series machines (Pkg. of 10)
CTC **5000783**	Lift Tool Covers (Pkg. of 10)
CTC **183606**	Bead-Loosener Covers (Pkg. of 2)
CTC **9209616**	Clamp Covers, *CTC* **9010** and *CTC* **9024** (Pkg. of 6)



CTC **182961** *CTC* **183061**

NYLON PROTECTORS

Alloy wheels are softer than the steel components of the tire changer. A misstep can result in scuffs or scratches. Nylon protectors help reduce the risk.

Item No.	Description
CTC **182961**	2 pack of Duckhead® Inserts
CTC **183061**	Replacement Duckhead® mount/demount head



AUXILIARY BEAD SEALER

Seal the bead of virtually any tire and rim combination on the first shot. The Coats® unique forward operating valve puts you in a more stable position and prevents the handle from kicking back at you.

- Massive auxiliary blast of air
- Uses your Coats® Tire Changer's large surge tank
- Always charged and within arms reach
- Stored at the tire changer where it is needed

CTC **5606545** For 50, 70X & APX series rim
CTC **5606739** For ProGuard L, includes surge tank

coats



CTC **CHD-9551**

CTC **CHD-9043**



CTC **CHD-9041**



CTC **CHD-4730**

HEAVY-DUTY TIRE CHANGER

Our top-of-the-line changer is designed for high-volume shops. The *CTC* **CHD-9551** makes it easy to handle the toughest super-single, skidder, agricultural and off-road tires on the market.

- Offers the most automated features and widest range of fittings in the CHD line
- Remote control rotating tool head/arm for the fastest, easiest tool changes in the business
- Optional wireless remove gives you freedom to move around the machine without cumbersome cables
- Handles rim from 14" to 46" (up to 56" with clamp extensions) and tires up to 95" in diameter and 51" wide

CTC **CHD-9551**

HEAVY-DUTY TIRE CHANGER

Ideal for busy shops servicing a large range of fitments. The clear choice for high volume shops that deal with both a variety of applications and large wheel fitments.

- Solid, single-piece frame for added capacity and dependability
- Remote controlled, hydraulically operated tool arm saves operator effort and speeds tire-changing turnaround time
- Handles rim from 14" to 46" (up to 56" with clamp extensions) and tires up to 90.5" in diameter and 43" wide

CTC **CHD-9043**



CTC **CHD-6330**

HEAVY-DUTY TIRE CHANGER

Step up to a full range of fitting solutions. A great solution for moderate to high volume shops and fleets where fitments vary widely, including agricultural applications.

- Extended capacity four-jaw chuck, which allows for use on a massive range of applications
- Open frame design for easy wheel movement
- Handles rim from 14" to 46" (up to 56" with clamp extensions) and tires up to 90.5" in diameter and 42" wide

CTC **CHD-9041**

HEAVY-DUTY TIRE CHANGER

The smart choice as your volume increases. It's the most compact of the jaw-style clamping machines available today. This easy-to-learn model is designed for shops with moderate to high volume with a wide range of applications.

- Four-jaw chuck allows fast and easy clamping of virtually all rim styles, including de-mountable, reverse disc, standard disc and off-road style wheels
- Floating jaws match wheel contours for excellent grip and safety
- Solid, single-piece frame for added capacity and reliability
- Portable wired control unit lets you work from the best angle at all times

CTC **CHD-6330**

HEAVY-DUTY TIRE CHANGER

Outstanding value and easy of use for smaller shops. This changer is a great value, designed for smaller fleets and tire shops. It's also an excellent choice for a second machine in busy shops.

- Compact design for tight areas
- Swing-arm mounted controls are always right where you need them
- Manual hub nut and cone style mounting is simple and fast to use
- Ideal for 22.5" and 24.5" Budd style rims. Will do some other sizes.

CTC **CHD-4730**



CTC **9000**

HEAVY-DUTY TRUCK TIRE CHANGERS

The *CTC* **9000** Changer delivers 34% more torque than the *CTC* **5000** and can accommodate both tube-type and tubeless tires up to 83" diameter with rim diameters from 15" to 44" and up to 40" wide. The *CTC* **5000** Changer can accommodate tube-type and tubeless rims with diameters from 15" to 38" and tire diameters up to 76". *CTC* **6000A** and *CTC* **6000B** was designed to quickly service tubeless tires on rims with diameters 16.5" to 24.5" and with widths 6" to 15". It comes with many accessories used to cover its large service range.

Item No.	Description
CTC **9000A**	Heavy-Duty Tube & Tubeless Tire Changer, Extended, 220 Volt, 1 phase
CTC **9000B**	Heavy-Duty Tube & Tubeless Tire Changer, Extended, 220 Volt, 3 phase
CTC **110852**	Optional Offset Disc Roller Tool
CTC **5000A**	Heavy-Duty Tube & Tubeless Tire Changer, 220 Volt, 1 phase
CTC **5000B**	Heavy-Duty Tube & Tubeless Tire Changer, 220 Volt, 3 phase
CTC **110852**	Optional Offset Disc Roller Tool
CTC **110842**	Optional Tire Ramp
CTC **6000A**	Heavy-Duty Tubeless Tire Changer, 220 Volt, 1 phase
CTC **6000B**	Heavy-Duty Tubeless Tire Changer, 220 Volt, 3 phase

coats



CTC **113390**

CTC **184330**

CTC **184329**

TIRE SERVICE TOOLS

Plastic tire service tools for removing Tape-A-Weight, removing & installing valve stems and removing and installing valve cores.

Features/Benefits

- Quality professional grade tools
- Required to service the increased number of high priced alloy rims
- Minimize rim damage risk

Item No.	Description
CTC **113390**	Tape-a-Weight Scraper
CTC **184330**	Valve Stem Puller & Installer
CTC **184329**	Valve Core Wrench, Duplex, Truck & Pass. Car w/Pocket Clip



CTC **108028**



CTC **181329**

ADJUSTABLE TIRE SPREADER & RIM CLAMP® ADAPTER

Tire spreader features adjustable spreader action from 0 to 10". It handles a range of tires from small lawn mower tires to the L60 wide-track tires. The spreader locks into position for various widths. For use on *CTC* **40-40** and *CTC* **40-50** Tire Changers. Use with *CTC* **181329** on all Coats® Rim Clamp® Tire Changers. Rim Clamp® Spreader Adapter allows use of Manual Tire Spreader (*CTC* **000347**), or Adjustable Tire Spreader (*CTC* **108028**) on all Rim Clamp® Tire Changers.

CTC **108028** Adjustable Tire Spreader
CTC **181329** Rim Clamp® Spreader Adapter

BEAD LIFTING TOOL

For use with Rim Clamps.

CTC **181354**



LUBE BOTTLES

Ample size containers for tire lubricant. Use with *CTC* **000491** Lube Applicator.

CTC **106572** Fits Center Post Tire Changers
CTC **106259** Fits Rim Clamp Tire Changers



PASTE TIRE LUBE

Pail 7.72 lbs. (3.5 kg)

CTC **183710**



ATV ADAPTERS

8 Jaw ATV adapters. This set of four adapters fit "tall" clamp carriers, (except *CTC* **9010**, *CTC* **9024** and *CTC* **APX** models).

CTC **183585**
CTC **5607951** For Baseline models



MOTORCYCLE CLAMPS

For Rim Clamp® machines, these clamps add the ability to safely hold motorcycle rims. Air pressure should be reduced to avoid bending softer rims.



Item No.	Description
CTC **184414**	For 50 series non X models
CTC **1845744**	For X model Rim Clamps, *CTC* **5050**, *CTC* **5060**, *CTC* **7050**, *CTC* **7060**, etc.
CTC **5607952**	For Baseline models

LUBE APPLICATOR

Cotton applicator is used for applying tire lubricant to tire bead and wheel.

CTC **000491**



AUTOFLATE DIGITAL INFLATOR

For use with your Tire Changer

- Accurate to +/- 0.5 PSI
- Inflate a typical tire in 40 seconds (with 150 PSI inlet pressure)
- Heavy-duty grip chuck seals and holds on stem also prevents scratches in stem area
- Keypad entry switches from air to Nitrogen mode
- Auto-start feature will start and inflate tire to desired pressure automatically if tire has air pressure when the chuck is attached

CTC **85009184** Autoflate Digital Inflator



AIR-CHECK

For Stand Alone Tire Service

A fast, efficient way to get customers' tires to the right pressure while they're still on the car.

- Set the pressure, attach the chuck to the car tire, and move to the next wheel when the unit beeps
- Not for bead seating use
- Shares same features and benefits of Autoflate, but does not automatically stop at 40 PSI
- Comes with rubber hose for easy attachment to standard air hose reel (25' coil hose not included)

CTC **85009939** Air-Check

BOSCH
Invented for life



TC 220S ENTRY LEVEL SWING ARM TIRE CHANGER

The TC 220S is designed for shops looking for a machine to do occasional tire service. This machine works on tires with a rim diameter less than 23".

Specifications

External clamping:.....10"-20"
Internal clamping: .....12"-23"
Max width:.....10"
Max tire diameter: .....37.5"
Superior warranty: .....(6 mos. parts, 90 days labor)

BSD **1699001878**



TTCE 4230SFA PREMIUM SWING ARM TIRE CHANGER WITH HELPER ASSEMBLY

The TCE 4230SFA is designed for shops that service a medium to high variety of wheels including standard, light truck, and occasional high performance tires with a rim diameter less than 28". The TCE 4230SFA includes a two function following arm assembly that provides additional assistance with difficult tires.

Features

Advanced Mount/Demount Head Technology
- Holds the bead in place allowing for lever removal without touching the rim!
- Integral tire iron slot keeps the bead in place for you!

3-Position Telescopic Bead Breaker
- Faster operation and prevents wheel damage!

Super-Powered Jaw Inflation Jets
- Larger air channels for superior blast force!

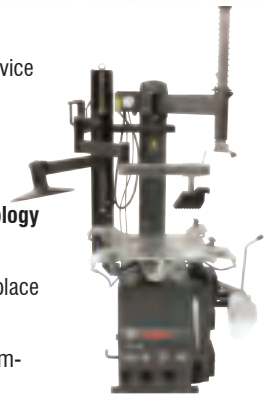
Right-Sized Motor for Optimal Performance
- Optimal torque output with power when you need it while preventing bead damage!

Helper Arm Assembly for Simple One Man Operation
- Includes following arm to aid installation and a large wheel for tire removal.

Specifications

External clamping:.....10"-26"
Internal clamping: .....12"-28"
Max width:.....15"
Max tire diameter: .....44"
Superior warranty: ...(1 yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100290**



TCE 4230 PREMIUM SWING ARM TIRE CHANGER

The TCE 4230 is designed for general service shops that service a medium variety of wheels including standard and light truck construction with a rim diameter less than 28".

Features

Advanced Mount/Demount Head Technology
- Holds the bead in place allowing for lever removal without touching the rim!
- Integral tire iron slot keeps the bead in place for you!

3-Position Telescopic Bead Breaker
- Faster operation and prevents wheel damage!

Super-Powered Jaw Inflation Jets
- Larger air channels for superior blast force!

Right-Sized Motor for Optimal Performance
- Optimal torque output with power when you need it while preventing bead damage!

Specifications

External clamping:.....10"-26"
Internal clamping: .....12"-28"
Max width:.....15"
Max tire diameter: .....44"
Superior warranty: ...(1 yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100212**



TCE 4465 THP PREMIUM AUTOMATIC TELESCOPING TILT TIRE CHANGER

The TCE 4465 THP is designed for shops that service a high variety of wheels including standard and light truck construction with a rim diameter less than 33". The automatic tilt function speeds up the changing process and prevents rim damage.

Features

Advanced Mount/Demount Head Technology
- Holds the bead in place allowing for lever removal without touching the rim!
- Integral tire iron slot keeps the bead in place for you!

3-Position Telescopic Bead Breaker
- Faster operation and prevents wheel damage!

Super-Powered Jaw Inflation Jets
- Larger air channels for superior blast force!

Right-Sized Motor for Optimal Performance
- Optimal torque output with power when you need it while preventing bead damage!

Helper Arm Assembly for Simple One Man Operation
- Includes a follower arm and two medium rollers for installation and removal assistance.
- Provides a critical 3 points of tire contact during installation eliminating the need for extra tools!

1 Arm's Length Operation
- Eliminates wasted motion and time!

Reinforced Rigid Construction
- Telescoping tower and double solid block arm locks for ultimate rigidity that minimizes rim contact damage!

Specifications

External clamping:.....12"-30"
Internal clamping: .....14"-33"
Max width:.....15"
Max tire diameter: .....47"
Superior warranty: ....(1yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100292**

BOSCH
Invented for life

TCE 4435THP TIRE CHANGER

TCE 4435THP delivers a 2 stage, variable speed motor for ultimate control. You can work faster on average tires and delicately on difficult ones. Plus, cylinder operation is 40% faster which speeds up the bead breaking process. It can accommodate up to a 43" assembly and its inflation system is 25% faster than the benchmark competition. TCE 4435THP is backed by an industry-leading 4 year parts and labor warranty.



Features

- Pneumatic tilt tower
- Equipped with a cushioned cylinder for fast but smooth movement
- Ensures the m/d head remains stationary, virtually eliminating tire and wheel damage in the process of changing
- Versatility to change tires on virtually any car, light-truck, and motorcycle (with optional accessory kit) found in North America
- Extreme structural rigidity for reduced flexion even for the most difficult UHP or RFT
- Massive 5½" x 5½" tilt tower maximizes robustness and rigidity of the most stressed component of a tire changer
- Offers strong and fast operation while, at the same time, protects the integrity of the tire and the finish of the wheel both internally and externally
- Vertical arm, with hexagonal section, enhances rigidity and greatly reduces flexion
- Tabletop system with 22" external clamping, 24" internal clamping
- Large and robust turntable with standard clamping capacity of 22" external and 24" internal
- TCE 4435THP can accommodate assembly's up to 43" (1,100 mm) diameter up to a maximum width of 12"
- 4 position adjustable bead breaker
  – Bead breaker pad shape is designed to avoid any marring of the wheel face
- Equipped with the TCE 320 Assist Assembly to reduce operator effort on the toughest tire and wheel combinations
  – Adjustable tire-lubricant holder accommodates varying sizes of lubricant containers
  – Standard roller board for better operator ergonomics. Allows operator to easily roll tire into position during bead breaking when repositioning is required
- Pedal controlled 2 speed turntable (7 rpm and 15 rpm) allows for exact torque as needed
- Enhanced inflation speed (25% faster than benchmark competitor) with jaw-integrated inflation system including tower-mounted gauge for simple and fast adjustment

Specifications

External Clamping: ..... 10" – 22"
Internal Clamping: ..... 12" – 24"
Max Width: ..... 16" / 400mm
Max Tire Diameter: ..... 43.3" / 1,100mm
Superior Warranty: ..... (4 yrs parts and labor)

BSD **TCE4435THP**

BOSCH TIRE CHANGER ACCESSORIES



BSD **695103261** Zeppa standard height bead presser
BSD **695103216** Zeppa tall height bead presser

TCE 4465 THPL SUPER PREMIUM LEVERLESS AUTOMATIC TELESCOPING TILT TIRE CHANGER

The TCE 4465 THPL is designed for shops that service a high variety of wheels including standard and light truck construction with a rim diameter less than 33". The leverless mount/demount head has a pneumatic finger that eliminates the need to use a tire lever. The automatic tilt function speeds up the changing process and prevents rim damage. The TCE 4465 THPL includes a three function following arm assembly that provides additional assistance with UHP, run flat, and low profile tires.



Features

Automated Leverless Bead Lifting Finger
- Eliminates the risk of tire lever rim damage!

3-Position Telescopic Bead Breaker
- Faster operation and prevents wheel damage!

Super-Powered Jaw Inflation Jets
- Larger air channels for superior blast force!

Right-Sized Motor for Optimal Performance
- Optimal torque output with power when you need it while preventing bead damage!

Helper Arm Assembly for Simple One Man Operation
- Includes a following arm and two medium rollers for installation and removal assistance.
- Provides a critical 3 points of tire contact during installation eliminating the need for extra tools!

1 Arm's Length Operation
- Eliminates wasted motion and time!

Reinforced Rigid Construction
- Telescoping tower and double solid block arm locks for ultimate rigidity that minimizes rim contact damage!

Specifications

External clamping: ..... 12"-30"
Internal clamping: ..... 14"-33"
Max width: ..... 15"
Max tire diameter: ..... 47"
Superior warranty: ... (1 yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100293**

BOSCH
Invented for life



TCE 4275EHC 28 IN. SWING ARM TIRE CHANGER, 2 SPEED ELECTRIC TURNTABLE WITH ERGONOMIC BEAD BREAKER AND HELPER ASSEMBLY

Bosch introduces a new traditional swing-arm tire changer capable of safely and efficiently handling virtually any wheel combination for both passenger and light truck vehicles. The TCE4275 is a highly durable swing arm tire changer with a wide range of features designed to provide maximum performance and speed when changing even the most difficult passenger car and light duty truck tires. The 4275 family of tire changers feature a 2-speed turntable which allows for exact torque when needed, and only requiring a 110V electric circuit. The motor can be reduced to 7 RPM's for finesse when handling more challenging tires and 15 RPM's when more speed is required. When equipped with the special helper arm assembly, the bead press device and bead roller operate independently yielding more control from two points of contact, providing precise control of the operation.

Features

2 Speed Electric Turntable - With Ergonomic Bead Breaker
Helper Assembly Helper Arm Device - The bead press device and bead roller operate independently yielding more control from two points of contact.
2-Speed Rotating Turntable - Allows for exact torque when needed, and only requires a 110V electric circuit.
Large Clamping Capacity - Maximum capacity of 28".
Ergonomic Control for Bead Breaking - The hand operated bead breaker allows for easy tire/wheel demounting while minimizing operator discomfort.
Stable Design - Extreme structural rigidity by virtue of the patented G-Frame design greatly reduces mount/demount head flexing which essentially eliminates damage to wheels and tires.
4-Point Adjustable Bead Breaker - Performs up to 40% better than benchmark competition. This optimizes force and speed resulting in less demand for air consumption.

BSD **TCE4275EHC**



TCE 4275EC 28" SWING ARM TIRE CHANGER, 2 SPEED ELECTRIC TURNTABLE AND ERGONOMIC BEAD BREAKERS

Bosch introduces a new traditional swing-arm tire changer capable of safely and efficiently handling virtually any wheel combination for both passenger and light truck vehicles.
The TCE4275 is a highly durable swing arm tire changer with a wide range of features designed to provide maximum performance and speed when changing even the most difficult passenger car and light duty truck tires.
The 4275 family of tire changers feature a 2-speed turntable which allows for exact torque when needed, and only requiring a 110V electric circuit. The motor can be reduced to 7 RPM's for finesse when handling more challenging tires and 15 RPM's when more speed is required.
When equipped with the special helper arm assembly, the bead press device and bead roller operate independently yielding more control from two points of contact, providing precise control of the operation.

Features

2 Speed Electric Turntable - With Ergonomic Bead Breaker
Helper Arm Device - The bead press device and bead roller operate independently yielding more control from two points of contact.
2-Speed Rotating Turntable - Allows for exact torque when needed, and only requires a 110V electric circuit.
Large Clamping Capacity - Maximum capacity of 28".
Ergonomic Control for Bead Breaking - The hand operated bead breaker allows for easy tire/wheel demounting while minimizing operator discomfort.
Stable Design - Extreme structural rigidity by virtue of the patented G-Frame design greatly reduces mount/demount head flexing which essentially eliminates damage to wheels and tires.
4-Point Adjustable Bead Breaker - Performs up to 40% better than benchmark competition. This optimizes force and speed resulting in less demand for air consumption.

BSD **TCE4275EC**

BOSCH
Invented for life



TCE 4335 THP PREMIUM MANUAL TILT TIRE CHANGER

The TCE 4335 THP is designed for shops that service a high variety of wheels including standard and light truck construction with a rim diameter less than 28". The manual tilt operation provides tilt back performance at a great value price compared to automatic machines.

Features

Advanced Mount/Demount Head Technology
- Holds the bead in place allowing for lever removal without touching the rim!
- Integral tire iron slot keeps the bead in place for you!

3-Position Telescopic Bead Breaker
- Faster operation and prevents wheel damage!

Super-Powered Jaw Inflation Jets
- Larger air channels for superior blast force!

Right-Sized Motor for Optimal Performance
- Optimal torque output with power when you need it while preventing bead damage!

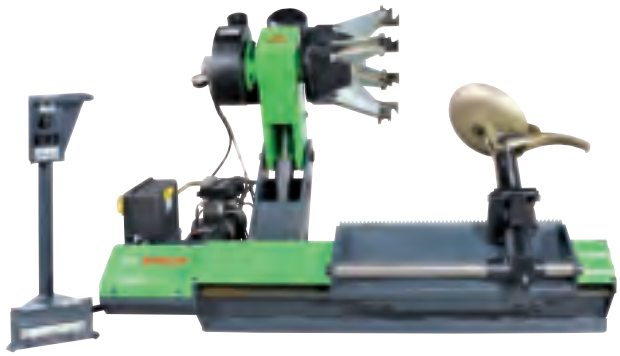
Helper Arm Assembly for Simple One Man Operation
- Includes a following arm, a large wheel for lifting, and two medium rollers for installation and removal assistance.
- Provides a critical 3 points of tire contact during installation eliminating the need for extra tools!

1 Arm's Length Operation
- Eliminates wasted motion and time!

Specifications

External clamping:.....10"-26"
Internal clamping: .....12"-28"
Max width:..... 15"
Max tire diameter: ..... 39"
Superior warranty: ... (1 yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100291**



TCE 5210 HEAVY-DUTY TRUCK TIRE CHANGER

The TCE 5210 is the ideal tire changer for truck, bus, and agricultural service. Rugged, durable construction designed to live up to the highest performance expectations. Genuine Bosch hydraulic components for superior durability and smooth operation.

Features

Mobile Control Station
- Move the controls where you are most comfortable!

Solid Construction with Full Support Floor
- Higher grade rigid construction than other changers on the market!

Automated Hydraulic Jaws
- Superior reliable clamping force!

Auto-Tilt Tools
- Precise load placement makes the job easier!

Specifications

Clamping range:.....114"-26"
Max width:..... 131"
Max tire diameter: ..... 163"
Max wheel weight: ..... 13,300 lbs.
Superior warranty: .....1(1 yr. parts/3 yrs. motor/5 yrs. trans./ .....6 mos. Labor)

Item No.	Description
BSD **1694100216**	TCE 5210 (220V/3Ph/60Hz) 3 Phase HD Tire Changer
BSD **1694100217**	TCE 5210 (220V/1Ph/60Hz) 1 Phase HD Tire Changer

HOFMANN®



MONTY™ 1520 TIRE CHANGER
The Hofmann® 1520 has all the features and durability of expensive tire changers at an affordable price.
- Powerful two-stage bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system

HOF **M1520110**



MONTY™ 1520M MOTORCYCLE TIRE CHANGER
- Powerful bead breaker
- Specially-designed clamping jaws eliminate additional labor involved in removing the brake disc, sprocket, or drive pulley
- Designed to change all types of motorcycle tires, including tires on difficult Harley Davidson belt-drive wheels
- Standard clamping jaws allow for changing automotive and light truck tires

HOF **M1520M110**



MONTY™ 1575 TIRE CHANGER
Heavy-duty tire changer designed for multi-bay repair shops, car dealerships and tire stores.
- Powerful two-stage bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system

HOF **MONTY1575**

Specifications

	HOF **M1520110**	*HOF* **M1520M110**	**Monty™ 1575**
Overall Wheel Clamping Diameter	10"-20"	10"-21"	10"-24"
Inner-Wheel Clamping Diameter	12"-20"	N/A	12" - 26"
Outer-Wheel Clamping Diameter	10"-18"	N/A	10"-24"
Maximum Wheel Width	13"	13"	13"
Maximum Outer-Tire Diameter	40"	40"	39"
Bead Breaker Range	2"-13"	0"-12"	3" - 13"
Bead Loosening Power	6,000 lbs.	6,000 lbs.	6,000 lbs.
Shipping Weight	480 lbs.	419 lbs.	550 lbs.
Power Requirements	120V, 1Ph, 60Hz	120V, 1Ph, 60Hz	120V, 1Ph, 60Hz

HOFMANN®



MONTY™ 1620 TIRE CHANGER
- Powerful two-stage bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system

HOF **MONTY1620**



MONTY™ 1625/1625EM TIRE CHANGERS
- Multi-position bead breaker
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Powerful tire inflation system
- EasyMont Pro Pneumatic Bead Assist Device assists a single operator in mounting/demounting low-profile and high-performance tires (standard on Monty™ 1625EM only)

HOF **MONTY1625** Monty™ 1625
HOF **M1625EM110** Monty™ 1625EM



MONTY™ 3300/3300EM/3550EM TILT-TOWER TIRE CHANGERS
- Accommodates large wheel and tire assemblies
- Dual wheel-clamping cylinders control all four clamping jaws, eliminating damage to wheels due to slippage
- Pneumatically-controlled bead head
- Powerful tire inflation system
- EasyMont Pro Pneumatic Bead Assist Device assists a single operator in mounting/demounting low-profile and high-performance tires

HOF **M3300110** Monty™ 3300
HOF **M3300110EM** Monty™ 3300EM
HOF **M3550EM110** Monty™ 3550EM

Specifications

	HOF **MONTY1620**	*HOF* **MONTY1625** / *HOF* **M1625EM110**	*HOF* **M3300110** / *HOF* **M3300110EM**	*HOF* **M3550EM110**
Overall Wheel Clamping Diameter	10"-24"	10"-26"	10"-24"	12"-28"
Inner-Wheel Clamping Diameter	12"-24"	12"-26"	12"-24"	14"-28"
Outer-Wheel Clamping Diameter	10"-21"	10"-24"	10"-24"	12"-26"
Maximum Wheel Width	15"	15"	15"	17"
Maximum Outer-Tire Diameter	50"	50" (Monty™ 1625) 42" (Monty™ 1625EM)	40"	47"
Bead Breaker Range	2"-18"	2"-18"	2"-17"	Position (1): 2.5"-12" Position (2): 6"-17"
Bead Loosening Power	6,000 lbs.	6,000 lbs.	6,000 lbs.	6,000 lbs.
Shipping Weight	600 lbs.	620 lbs. (Monty™ 1625) 805 lbs. (Monty™ 1625EM)	625 lbs. (Monty™ 3300) 855 lbs. (Monty™ 3300EM)	975 lbs.
Power Requirements	120V, 1Ph, 60Hz	120V, 1Ph, 60Hz	120V, 1Ph, 60Hz	120V, 1Ph, 60Hz

HOFMANN®



MONTY™ 8100S TIRE CHANGER

The monty 8100s center post tire changer is designed for easy use with minimal training of technicians, reducing shop overhead and adding to our customer's bottom line. Traditional center post design coupled with John Bean's innovative feature set makes this tire changer highly productive and reduces the risk of wheel damage.

Specifications

Maximum Tire Diameter: ..... 44" (112 cm)
Maximum Tire Width: ..... 15" (381 cm)
Maximum Wheel Width: ..... 14" (35.6 cm)
Maximum Air Pressure: ..... 117 PSI (12 BAR)
Dimensions (D x W x H): ..... 58" x 40" x 76" (147 x 102 x 193 cm)
Power Requirements: 230V 1Ph 50/60Hz 17A

Wheel Lift Specifications

Capability: ..... 154 lbs. (70 kg.)
Technology: ..... Pneumatic
Operated by: ..... Foot Pedal
Platform Height: ..... 1.18" (3 cm)

HOF **EEWH768AU1**



MONTY™ 8600 TIRE CHANGER

The dual-disc bead breaker, center clamp system and automatic demounting tool make the ATC 900 the most productive tire changer solution on the market. Leverless demounting and powered wheel lift reduce technician fatigue and opportunity for injury. Dual disc bead breakers are servo positioned and electronically synchronized so the technician can efficiently maintain a safe and ergonomic body position.

Specifications

Wheel Diameter Range: ..... 12" – 30"
Maximum Tire Diameter: ..... 47"
Maximum Wheel Width: ..... 15"
Maximum Wheel Weight: ..... 154 lbs.
Work Area Dimensions (D x W x H): ..... 70" x 89" x 59"
Shipping Weight: ..... 946 lbs.
Air Requirements: ..... 110 – 140 PSI
Power Requirements: ..... 200 - 240V, 1Ph, 60Hz

HOF **EEWH735A**



HOF **M4400220**

MONTY™ 3650, 3850, & 4400 HEAVY-DUTY TIRE CHANGERS

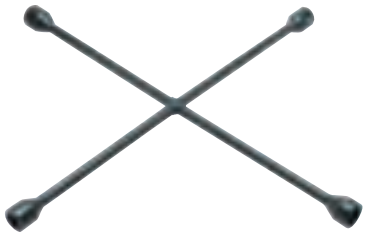
- One-man operation
- Four-Jaw Clamping Chuck (Monty™ 3850 and 4400)
- The bead breaker disc and mount/demount heads are combined in our patented mount/demount head assembly for ease of use (Monty™ 3850 and 4400)

HOF **M3650230** Monty™ 3650 Tire Changer
HOF **M3850220** Monty™ 3850 Tire Changer
HOF **M4400220** Monty™ 4400 Tire Changer

Specifications

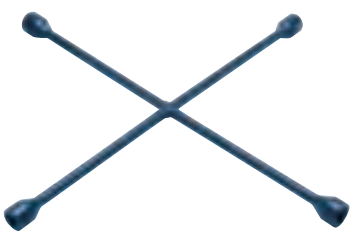
	HOF **M3650230**	*HOF* **M3850220**	*HOF* **M4400220**
Wheel Clamping Diameter	16"-24.5"	14"-26"	14"-44"
Maximum Wheel Assembly Diameter	47"	60"	90.5"
Maximum Wheel Width	20"	31"	43"
Hydraulic Motor	N/A	2HP	2HP
Chuck Motor	N/A	3HP	3HP
Dimensions (D x W x H)	54" x 52" x 31"	64" x 87" x 48"	117" x 81" x 63"
Shipping Requirements	880 lbs.	1,200 lbs.	2,085 lbs.
Power Requirements	230V, 1Ph, 60Hz	230V, 1Ph, 60Hz	230V, 1Ph, 60Hz

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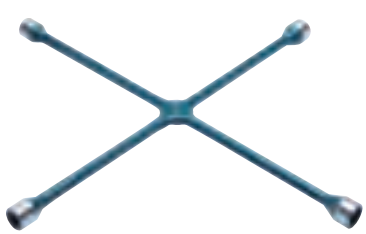
ECONOMY LUG WRENCHES

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35662**	3/4", 13/16", 7/8", 17mm	18"	9/16"	3.2 lbs
SPC **35663**	17mm, 19mm, 21mm, 22mm	18"	9/16"	3.2 lbs
SPC **35623**	3/4", 13/16", 7/8", 17mm	20"	9/16"	3.4 lbs
SPC **35620**	3/4", 13/16", 7/8", 17mm	20"	9/16"	3.4 lbs
SPC **35624**	17mm, 19mm, 21mm, 22mm	20"	9/16"	3.4 lbs
SPC **35820**	17mm, 19mm, 21mm, 22mm	20"	9/16"	3.4 lbs
SPC **35661**	3/4", 13/16", 7/8", 17mm	22"	9/16"	3.8 lbs



LIGHT TRUCK/RV AND PASSENGER LUG WRENCHES

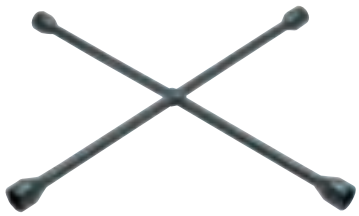
Item No.	Socket Sizes	Length	Stock	Weight
Light Truck/RV				
SPC **35638**	22mm (7/8"), 24mm (15/16"), 25mm (1"), 27mm (1 1/16")	23"	11/16"	5.6 lbs
SPC **35627**	22mm (7/8"), 24mm (15/16"), 25mm (1"), 27mm (1 1/16")	23"	11/16"	5.6 lbs
Passenger				
SPC **35637**	17mm, 19mm, 21mm, 22mm	18"	9/16"	3.6 lbs



PROFESSIONAL LUG WRENCHES

These wrenches are America's premier professional lug wrenches for cars, light trucks, SUV's, RV's, and vans. Drop-forged centers for extra strength. Keep wrenches in truck for emergencies or everyday use.

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35657**	3/4", 13/16", 7/8", 15/16"	23"	5/8"	4.5 lbs
SPC **35656**	17mm, 19mm, 21mm, 22mm	23"	5/8"	4 lbs



STANDARD LUG WRENCHES

Welded center construction for strength and durability. Premium grade, special bar quality steel for extra strength.

Item No.	Socket Sizes	Length	Stock	Weight
Light Truck/RV				
SPC **35690**	7/8" Deep Well; 15/16", 1", 1 1/16"	25"	3/4"	7.2 lbs
Passenger				
SPC **35659**	3/4", 13/16", 7/8", 15/16"	22"	5/8"	4.2 lbs



HEAVY-DUTY TRUCK LUG WRENCHES

Use on heavy-duty trucks, buses, and tractors. Drop-forged or welded center provides strength and durability. *SPC* **35695**, *SPC* **35795**, *SPC* **35697**, and *SPC* **35595** wrenches have center hole for a leverage bar. Socket sizes provided fit most metric or SAE lug nuts on today's trucks. Stock: 1" (25 mm). MADE IN THE USA

Item No.	Socket Sizes	Length	Weight
SPC **35695**	1 1/16", 1 1/4", 1 1/2", 3/16" square	27 1/2" 70 cm	13.8 lbs. 6.2 kg.
SPC **35795**	24, 27, 30, 33 mm	27 1/2" 70 cm	13.5 lbs. 6.1 kg.



3/4" Service Arm
3/4" Service arm that will take any standard 3/4" drive socket.

Item No.	Socket Sizes	Length	Weight
SPC **35697**	1 1/4", 1 1/2", 13/16" sq., 3/4" service arm	27 1/2" 70 cm	13.5 lbs. 6.1 kg



Item No.	Socket Sizes	Length	Weight
SPC **35696**	1 1/16", 1 1/4", 1 1/2", 13/16" square	27 1/2" 70 cm	13.5 lbs. 6.1 kg.

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SPC **35595**

HEAVY-DUTY TRUCK LUG WRENCH

Combination wrench fits SAE and metric.

Item No.	Socket Sizes	Length	Weight
SPC **35595**	1 1/2", 13/16" square, 30, 33 mm	27 1/2" 70 cm	14.2 lbs. 6.4 kg.

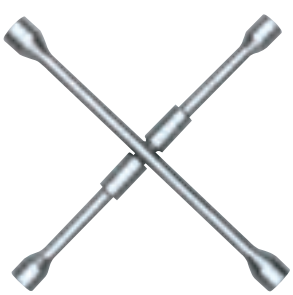


SPC **35630**

ECONOMY FOUR-WAY LUG WRENCHES

A complete line of lug wrenches value priced and merchandised to maximize your DIY business. These wrenches are tough and dependable. Chrome-plated finish, welded center. Imported.

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35630**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	20" 51 cm	5/8" 16 mm	3.7 lbs. 1.7 kg.
SPC **35635**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	14" 36 cm	5/8" 16 mm	2.6 lbs. 1.2 kg.



FOLDING PASSENGER CAR LUG WRENCH

Chrome-plated finish. Imported.

Item No.	Socket Sizes	Length	Stock	Weight
SPC **35633**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	14" 36 cm	9/16" 14 mm	2.7 lbs. 1.2 kg.



TELESCOPING - PASSENGER CARS

Chrome-plated finish. Imported.

Item No.	Socket Sizes	Length	Weight
SPC **35634**	17 mm, 19 mm (3/4"), 21 mm (13/16"), 23 mm (7/8")	21" (Extended) 53 cm	3 lbs. 1.4 kg.



SPC **32501**



DOUBLE-END TRUCK WRENCHES

Use on trucks, buses, farm, and off-road vehicles. Great for on-the-road service. Sizes available for all SAE and metric lug nuts. All wrenches are forged from 1" alloy steel for long-lasting strength. The 1 1/2" socket is extra deep. Length: 16" (41 cm). Use *SPC* **32318** or *SPC* **32319** truck wrench handle.

SAE

Item No.	Socket Sizes	Weight
SPC **32501**	1 1/8" with 13/16" Sq. x 1 1/2"	4.6 lbs. (2.0 kg.)
SPC **32502**	1" with 5/8" Sq. x 1 1/4"	4.3 lbs. (1.9 kg.)
SPC **32503**	7/8" x 1 1/16"	4.5 lbs. (2.0 kg.)
SPC **32505**	1 1/16" x 1 1/8"	4.5 lbs. (2.0 kg.)
SPC **32506**	1 1/16" x 1 3/16" (1 3/4" Stud Depth)	4.5 lbs. (2.0 kg.)
SPC **32508**	1 1/2" x 13/16" Sq.	4.5 lbs. (2.0 kg.)
SPC **32509**	1 1/4" x 1 1/16"	4.4 lbs. (2.0 kg.)
SPC **32512**	1" with 5/8" square x 1 3/16"	4.5 lbs (2.0 kg)

Metric

Item No.	Socket Sizes	Weight
SPC **32552**	24 mm x 33 mm	4.4 lbs. (2.0 kg.)
SPC **32553**	27 mm x 30 mm (1 3/4" Stud Depth)	4.5 lbs. (2.0 kg.)
SPC **32556**	21 mm x 41 mm	4.5 lbs. (2.0 kg.)
SPC **32557**	30 mm x 33 mm (1 3/4" Stud Depth)	4.6 lbs (2.0 kg)
SPC **32559**	33 mm w/21 mm square x 41 mm	4.5 lbs (2.0 kg)

SAE/Metric

Item No.	Socket Sizes	Weight
SPC **32519**	33 mm with 13/16" square x 1 1/2"	4.5 lbs (2.0 kg)



TRUCK WRENCH HANDLE

Heat-treated for strength and durability. Fits all Ken-Tool double-end truck wrenches.

Item No.	Socket Sizes	Length	Weight
SPC **32318**	22" (56 cm)	3/4" Hex	2.7 lbs. (1.2 kg)
SPC **32319**	30" (76 cm)	3/4" Hex	7 lbs. (3.2 kg)

POWER WRENCHES & SETS

Designed for dual nut systems. 13/16" sq. end holds inner nut, with a 1 1/2" hex drive to spin outer nut off. Also adaptable to remove any nut size with an *SPC* **34543-17** adapter. 3-to-1 ratio provides mechanical power advantage necessary to remove any stubborn nut found on trucks, farm vehicles, buses, aircrafts, and RVs. Tremendous power allows one man operation. Heat-treated portable components for extra strength. All sockets are 3/4" dr.



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BASIC POWER WRENCH SET

Set contains: Power Drive - 20 1/2" (52 cm) bar handle and 20" (51 cm) tube handle. Weight 19 lbs. (8.6 kg.).

SPC **34543**

Ken-Tool® WHEREVER TIRES ARE CHANGED™



UNIVERSAL POWER WRENCH SET

Set contains: Power Drive - 20 1/2" (52 cm) bar handle, 36" (91 cm) tube handle, 13/16" sq. adapter, 3/4" service adapter and impact sockets: 7/8", 15/16", 1 1/16", 1 1/8", 1 3/16" and 33mm. Weight 29 lbs. (13.2 kg.).

SPC **34547**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

BUDD-WHEEL POWER WRENCH SET

The 3/4" service adapter allows you to use any 3/4" drive socket. Drive end is 1 1/2" hex. 13/16" square adapter for inner nut. Set contains: Power Drive - 20 1/2" (52 cm) bar handle, 13/16" sq. adapter, 36" (91 cm) tube handle, and 3/4" service adapter. Weight 20 lbs. (9.1 kg.).

SPC **34545**

NAPA Tire Hardware

WHEEL MATE™



Wheel Mate™ easily guides tire and rim. One tool is designed to fit stud sizes 7/16", 1/2", or 12mm for most passenger cars while the other tool is designed to fit stud sizes 9/16" or 14mm for most trucks 3/4 ton or larger. Pack of 2.

NTH **90-2020**

WHEEL HANGER GUIDES



Slides into wheel lug nut holes without using threads, saving the technician time as they involve no turning the wheel guide to install and remove. Supports wheel / tire so the technician can easily thread lug nut bolts into the brake rotor. Avoids dropping the tire or having the outside section of the rim hit the floor and scratch. Made of durable bulletproof polycarbonate plastic. For use on Mercedes, Audi, BMW, Mini Cooper, SAAB and Volvo vehicles.

BK **700-2564** Red. 12mm Thread Size
BK **700-2565** Black. 14mm Thread Size

NAPA ServiceTools

3 PC. WHEEL STUD PILOT PIN KIT



Easily remove and install wheels on many vehicles with lug bolts. Three pairs of metric threaded wheel stud pilot pins allows you to hang the wheel without having to balance the wheel on the small lip of the hub. Helps prevent wheel from falling and causing damage or injury. Thread sizes 12mm x 1.5, 14mm x 1.25, 14mm x 1.5. European Vehicle Wheel Studs VW, BMW, etc

SER **13950**

Ken-Tool® WHEREVER TIRES ARE CHANGED™

KEN-TOOL PORKCHOP™ CAP NUT WRENCHES



SPC **30609**



Wrenches hold outer cap nut on dual wheels while the inner nut is turned. Lip fits in hole to secure wrench in place. Sizes offered fit standard and metric cap nuts.

Item No.	Description	Size	Weight
SPC **30609**	SAE	1 1/2"	.4 lbs.(.1 kg.)
SPC **30610**	Metric	35 mm	.4 lbs.(.1 kg.)
SPC **30612**	Metric	41 mm	.4 lbs.(.1 kg.)

Ken-Tool® WHEREVER TIRES ARE CHANGED™

COMBINATION CAP NUT WRENCH

See our demo video at www.kentool.com





Offers the versatility of two wrenches in one unique product design. Fit one end onto the outer cap nut with the other end through the center hole. Wrench slides underneath center disc of wheel reducing slipping during nut removal.

Item No.	Description	Size	Weight
SPC **30620**	SAE and Metric	41 mm, 1 1/2"	1.3 lbs. (1.0 kg.)

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See our demo video at www.kentool.com

HEAVY-DUTY CAP NUT WRENCHES

Heavy-duty design will not slip out of position. Wrench rests snugly against the center hole, reducing the possibility of rim damage. Ideal for aluminum wheels.



Item No.	Description	Size	Weight
SPC **30618**	SAE	1½"	2.6 lbs. (1.2 kg.)
SPC **30619**	Metric	41 mm	2.6 lbs. (1.2 kg.)





Dual Wheel Separator Demo Video

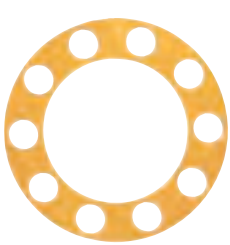


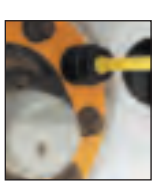
DUAL WHEEL SEPARATOR

Makes removing stuck or frozen dual steel wheels quick and easy. Ideal for use on nearly any truck, bus, van or trailer that has dual steel wheels.

- Innovative "One-piece" Pusher won't fall apart during use
- Pusher is ball bearing-driven for near-zero turning resistance
- Pusher is heat treated for long-lasting strength and durability
- Forcing screw and Pullers have powerful 1⅛" diameter x 11 threads for years of reliable service
- Includes two pullers to cover large and small dual wheel applications
- Components have black oxide or bright nickel-plating finish for rust and corrosion resistance
- Use with air impact wrench
- Components are laser-etched for easy identification
- Comes in a sturdy, compact, easy-to-store case; 6.5" x 9.5" x 2.5", 5.3 lbs
- Proudly Made in USA
- Limited lifetime warranty

SPC **34549**





NO-MAR RIM GUARD™

Protective cover prevents damage to chrome and aluminum rims and wheels when removing or replacing lug nuts. Imprinted with torque sequence number for proper torquing of disc wheels.
Weight .5 lbs. (.2 kg.). Imported.

SPC **30605**







SPC **30174** *SPC* **30176** *SPC* **30179**

TORQUEMASTER™ 1/2 IN. DR. TORQUE LIMITING SOCKETS

For foreign and domestic cars and light trucks. Tighten nuts to factory specifications each time the wheels are replaced. Color and letter coded for quick size and torque reference. Converts any impact gun including those with an extended anvil into an instant torque wrench by bleeding torque off the impact gun. **Application chart (***SPC* **30199 and** *SPC* **30299, available separately) can be wall mounted.** Limited Lifetime Warranty.

Item No.	Description	Set Contains	Weight
SPC **30174**	Four Piece Starter Kit	*SPC* **30181,** *SPC* **30183,** *SPC* **30185,** *SPC* **30189**	4.4 lbs. (2.0 kg.)
SPC **30176**	Six Piece Starter Kit	*SPC* **30181,** *SPC* **30183,** *SPC* **30184,** *SPC* **30185,** *SPC* **30186,** *SPC* **30189**	6.5 lbs. (3.0 kg.)
SPC **30179**	Nine Piece Kit	*SPC* **30181,** *SPC* **30182,** *SPC* **30183,** *SPC* **30184,** *SPC* **30185,** *SPC* **30186,** *SPC* **30187,** *SPC* **30188,** *SPC* **30189**	8.4 lbs. (3.8 kg.)



12 PC. TORQUEMASTER™ TORQUE SOCKET KIT

Tighten lug nuts to factory specifications. Color and letter coded for quick size and torque reference.

SPC **30190**

Contents

Item No.	Description	Code Letter	Torque Limit
SPC **30181**	Brown	(A)	100 ft-lbs
SPC **30182**	Orange	(B)	80 ft-lbs
SPC **30183**	Gray	(C)	100 ft-lbs
SPC **30184**	Black	(D)	60 ft-lbs
SPC **30185**	Blue	(E)	80 ft-lbs
SPC **30186**	Yellow	(F)	65 ft-lbs
SPC **30187**	Red	(G)	80 ft-lbs
SPC **30188**	Dark Green	(H)	45 ft-lbs
SPC **30189**	White	(I)	120 ft-lbs
SPC **30200**	Aqua	(Q)	140 ft-lbs
SPC **30202**	Navy Blue	(Y)	100 ft-lbs
SPC **30213**	Gold	(NN)	90 ft-lbs

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10 PC. TORQUEMASTER™ TORQUE STICK SET

SPC **30180**

Contents

Item No.	Description	Code Letter	Torque Limit
SPC **30181**	Brown	(A)	100 ft./lbs
SPC **30182**	Orange	(B)	80 ft./lbs.
SPC **30183**	Gray	(C)	100 ft./lbs.
SPC **30184**	Black	(D)	60 ft./lbs.
SPC **30185**	Blue	(E)	80 ft./lbs.
SPC **30186**	Yellow	(F)	65 ft./lbs.
SPC **30187**	Red	(G)	80 ft./lbs.
SPC **30188**	Dk. Green	(H)	45 ft./lbs
SPC **30189**	White	(I)	120 ft./lbs.
SPC **30200**	Aqua	(Q)	140 ft./lbs. 9.2 lbs. (4.2 kg.)



4 PC. TORQUEMASTER™ TORQUE STICK SET FOR SUVS

Most popular sizes for largest growing market. For domestic and foreign SUVs. Tighten lug nuts to factory specifications. Color and letter coded for quick size and torque reference. Weight 4.5 lbs. (2 kg.).

SPC **30175**

Contents

Item No.	Letter Color	Socket Code	Socket Size	Limit
SPC **30181**	Brown	(A)	13/16"	100 ft./lbs.
SPC **30183**	Gray	(C)	19mm	100 ft./lbs.
SPC **30200**	Aqua	(Q)	7/8"	140 ft./lbs.
SPC **30204**	Turquoise	(BB)	21mm	150 ft./lbs.



TORQUEMASTER™ INDIVIDUAL SOCKETS - 1/2 IN. DRIVE

Item No.	Description	Socket Size	Drive/ Limit	Torque Weight
SPC **30181**	Brown (A)	13/16"	100 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30182**	Orange (B)	21 mm	80 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30183**	Gray (C)	19 mm (3/4")	100 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30184**	Black (D)	21 mm	60 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30185**	Blue (E)	19 mm (3/4")	80 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30186**	Yellow (F)	19 mm (3/4")	65 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30187**	Red (G)	17 mm	80 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30188**	Dark Green (H)	17 mm	45 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30189**	White (I)	7/8"	120 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30195**	Tan (J)	1"	140 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30196**	Lt. Purple (K)	17 mm	110 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30197**	Green (L)	1"	170 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30198**	Crimson Red (V)	1 1/16"	140 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30200**	Aqua (Q)	7/8"	140 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30201**	Bright Green (T)	15/16"	135 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30202**	Navy Blue (Y)	7/8"	100 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30203**	Lt. Tan (Z)	7/8"	65 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30204**	Turquoise (BB)	21 mm	150 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30205**	Light Pink (CC)	17mm	90 ft./lbs.	.5 lbs. (.2 kg)
SPC **30206**	Sky Blue (DD)	21mm	100 ft./lbs.	.5 lbs. (.2 kg)
SPC **30207**	Safety Purple (EE)	22mm	140 ft./lbs.	.5 lbs. (.2 kg)
SPC **30208**	Yellow Gray (FF)	19mm	180 ft./lbs.	.5 lbs. (.2 kg)
SPC **30211**	Quartz Gray (KK)	19mm	120 ft./lbs.	.5 lbs. (.2 kg)
SPC **30212**	Fuchsia (LL)	22mm	175 ft./lbs.	.5 lbs. (.2 kg)
SPC **30213**	Gold (NN)	19mm	90 ft./lbs.	.5 lbs. (.2 kg)
SPC **30214**	Salmon (QQ)	22mm	95 ft./lbs.	.5 lbs. (.2 kg)
SPC **30216**	Deep Purple (UU)	14mm	75 ft./lbs.	.5 lbs. (.2 kg)
SPC **30217**	Vanilla (XX)	13/16"	160 ft./lbs.	.5 lbs. (.2 kg)
SPC **30218**	Honey Yellow (JJ)	19mm	145 ft./lbs.	.5 lbs. (.2 kg)
SPC **30222**	Silver Sparkle (SS)	21mm	110 ft./lbs.	.5 lbs. (.2 kg)
SPC **30199**	Application Chart 11" x 17"			
SPC **30299**	Torque Application Chart - Laminated 22" x 24" Laminated Wall Chart			

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10 PC. TORQUEMASTER™ TORQUE SOCKET EXTENSION KIT



Convert your own sockets into torque sockets!

- Designed for use with your own impact sockets
- For foreign and domestic cars and light trucks
- Tighten nuts to factory specifications each time the wheels are replaced
- Color and letter coded for quick size and torque reference
- Converts any impact gun, including those with an extended anvil, into an instant torque wrench by bleeding torque off the impact gun
- Limited lifetime warranty

SPC **30251**

Contents

Item No.	Description	Letter Code	Torque Limit
SPC **30248**	Light Purple	(K)	110 ft-lbs
SPC **30249**	Neon Yellow	(OO)	75 ft-lbs
SPC **30223**	Gray	(C)	100 ft-lbs
SPC **30224**	Black	(D)	60 ft-lbs
SPC **30225**	Blue	(E)	80 ft-lbs
SPC **30226**	Yellow	(F)	65 ft-lbs
SPC **30274**	Gold	(NN)	90 ft-lbs
SPC **30228**	Dark Green	(H)	45 ft-lbs
SPC **30229**	White	(I)	120 ft-lbs
SPC **30220**	Aqua	(Q)	140 ft-lbs
SPC **30199**	Fitment Chart	—	—
—	Instructions	—	—
—	Case	—	—



5 PC. TORQUEMASTER™ EXTENSION KIT FOR PASSENGER CARS —1/2 IN. DRIVE

Extension kit covers many of the most popular late model domestic and foreign cars, light trucks, mini-vans and SUVs. Convert your own sockets into torque sockets. 4 lbs. (1.8 kg).

SPC **30235**

Contents

Item No.	Color	Letter Code	Torque Limit
SPC **30220**	Aqua	(Q)	140 ft./lbs.
SPC **30223**	Gray	(C)	100 ft./lbs.
SPC **30225**	Blue	(E)	80 ft./lbs.
SPC **30226**	Yellow	(F)	65 ft./lbs.
SPC **30229**	White	(I)	120 ft./lbs.



4 PC. TORQUEMASTER™ EXTENSION KIT FOR PASSENGER CARS — 1/2 IN. DRIVE

Extension kit to be used on passenger vehicles. Convert your own sockets into torque sockets. Weight 3 lbs. (1.3 kg.).

SPC **30234**

Contents

Item No.	Color	Letter Code	Torque Limit
SPC **30223**	Gray	(C)	100 ft./lbs.
SPC **30225**	Blue	(E)	80 ft./lbs.
SPC **30226**	Yellow	(F)	65 ft./lbs.
SPC **30229**	White	(I)	120 ft./lbs.



TORQUEMASTER™ INDIVIDUAL HEAVY-DUTY TRUCK TORQUE EXTENSIONS

Convert your own sockets into torque sockets for use on commercial or heavy-duty trucks, and buses.

Item No.	Description	Drive/Socket Opening	Torque Limit	Weight
SPC **30230**	Yellow (O)	3/4"	175 ft./lbs.	.75 lbs.(.3 kg.)
SPC **30231**	Yellow (N)	3/4"	250 ft./lbs.	.75 lbs.(.3 kg.)
SPC **30232**	Yellow (U)	3/4"	350 ft./lbs.	.75 lbs.(.3 kg.)
SPC **30233**	Yellow (M)	3/4"	475 ft./lbs.	.75 lbs.(.3 kg.)
SPC **30236**	Yellow (T)	1"	175 ft./lbs.	1 lbs.(.5 kg.)
SPC **30237**	Yellow (R)	1"	250 ft./lbs.	1 lbs.(.5 kg.)
SPC **30241**	Yellow (Q)	1"	300 ft./lbs.	1 lbs.(.5 kg.)
SPC **30238**	Yellow (S)	1"	350 ft./lbs.	1 lbs.(.5 kg.)
SPC **30239**	Yellow (P)	1"	475 ft./lbs.	1 lbs.(.5 kg.)
SPC **30240**	Yellow (W)	1"	650 ft./lbs.	1 lbs.(.5 kg.)
SPC **30242**	Yellow (Y)	1"	550 ft./lbs.	1 lbs.(.5 kg.)

WARNING: Torque sockets and truck torque extensions cannot be used to take off wheel nuts. Calibrate your impact gun and follow all manufacturers' recommended procedures when using Torque Master products.

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TORQUEMASTER™ INDIVIDUAL TORQUE EXTENSIONS

Convert your own sockets into torque sockets for use on passenger vehicles.

Item No.	Description	Drive/Socket Opening	Torque Limit	Weight
SPC **30255**	Black Oxide (A)	3/8"	30 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30256**	Black Oxide (B)	3/8"	40 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30257**	Black Oxide (C)	3/8"	50 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30258**	Black Oxide (D)	3/8"	60 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30219**	Orange (B)	1/2"	160 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30224**	Black (D)	1/2"	60 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30221**	Lt. Blue (S)	1/2"	55 ft./lbs.	.5 lbs.(.2 kg.)
SPC **30244**	Bright Green (T)	1/2"	135 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30227**	Fuchsia (LL)	1/2"	175 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30220**	Aqua (Q)	1/2"	140 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30223**	Gray (C)	1/2"	100 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30225**	Blue (E)	1/2"	80 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30226**	Yellow (F)	1/2"	65 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30229**	White (I)	1/2"	120 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30249**	Neon Yellow (OO)	1/2"	75 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30228**	Dark Green (H)	1/2"	45 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30243**	Turquoise (G)	1/2"	150 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30247**	Gold (NN)	1/2"	90 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30248**	Light Purple (K)	1/2"	110 ft./lbs.	.7 lbs.(.3 kg.)
SPC **30250**	Green (L)	1/2"	170 ft./lbs.	.7 lbs.(.3 kg.)

WARNING: Torque sockets and truck torque extensions cannot be used to take off wheel nuts. Calibrate your impact gun and follow all manufacturers' recommended procedures when using Torque Master products.



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13 PC. DELUXE WHEEL COVER & WHEEL-LOCK REMOVAL KIT

Easily removes most lug nuts and wheel locks on most domestic and import passenger vehicles and light trucks. Use with hand driver or impact wrench. Some sockets in set cover specific GM, Ford and Chrysler applications. Set includes 11 sockets; extension and extractor punch in plastic storage case. Save time! Will not damage the lock or stud. 4.9 lbs (2.2 kg).

SPC **30171**

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9 PC. WHEEL COVER & WHEEL-LOCK REMOVAL KIT

Easily removes most lug nuts and wheel locks on most domestic and import passenger vehicles and light trucks. Use with hand driver or impact wrench. Some sockets in set cover specific GM, Ford and Chrysler applications. Save time! Will not damage the lock or stud. 3.1 lbs. (1.4 kg).

SPC **30170**



7 PC. DELUXE HUBCAP & WHEEL LOCK REMOVAL KIT

Safely removes and replaces Chrysler, GM, Ford and McGard wire wheel/hubcap locks when key is unavailable. Comprehensive instructions and durable plastic carrying case included.

BK **735-1282**

Contents

Qty.	Description
1	Chrysler/Ford Hubcap
1	Extractor Punch, Lug Nut
1	GM Hubcap (w/Variable Inside Drive Keys)
1	GM Sprocket Hubcap
1	Lug Nut Remover Socket, Large Dual-Sided
1	Lug Nut Remover Socket, Small Dual-Sided
1	Socket Installing Driver



CARLYLE NAPA

1/2 IN. DR. 6 PT. WHEEL LOCK REMOVAL IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0321** 9 Pc. Set
NPT **61-8401**	Ford & Chrysler Hubcap Locks	•
NPT **61-8402**	Ford Wheel Locks	•
NPT **61-8403**	Corvette, GM N & F Body Wheel Locks	•
NPT **61-8404**	Oversized McGard Wheel Locks	•
NPT **61-8405**	McGard Wheel Locks & GM Hubcap Locks	•
NPT **61-8407**	Chrysler Hubcap Locks	•
NPT **61-8408**	GM Hubcap Locks	•
NPT **61-8409**	GM Spline Hub Cap Locks	•
NPT **61-8406**	Wheel Lock Extractor Punch, 12.7mm dia. x 102mm L	•

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1/2 IN. DR. UNIVERSAL EMERGENCY WHEEL LOCK REMOVER



Removes wheel locks when the key is lost or misplaced. Tapered socket fits over most car wheel locks. Use soft-faced hammer to drive onto wheel lock. Limited use. Weight 1 lbs. (.5 kg.).

SPC **30161**

LUG NUT REMOVAL TOOL



Quick-removal tool removes rounded or damaged lug nuts. Designed with left handed threads and quickly fits over rounded lug nuts and allows the technician to back the lug nut off of the stud with very little down time. Great tool for tire shops, dealerships, tow trucks and general service locations. Fits: 3/4 in., 13/16 in., 19 mm and 21 mm lug nuts. Works with 1/2 in. impact gun or breaker bar.

BK **735-1279**

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Special Self-Tapping Splines





New Lug Stud



Used Lug Stud

DUAL WHEEL LUG STUD REMOVER

Special self-tapping splines provide maximum grip to remove stripped lug studs. Use with *SPC* **32501**, *SPC* **32508** truck wrenches. Can also be used with open end wrench. Use with soft faced hammer.

Item No.	Description	Weight
SPC **30165**	Fits 13/16" sq. inner nut	1 lbs. (.5 kg.)

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6 PC. 1/2 IN. DR. DOUBLE-DUTY FLIP SOCKET SET



One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-fluted twist socket for removing damaged or rounded wheel lugs. Weight 2.8 lbs. (1.2 kg.).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30111**

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6 PC. 1/2 IN. DR. THICK & THIN FLIP SOCKET SET



For those ever changing aftermarket and manufacturers' wheels. One end is a standard 6-point socket for everyday use. Flip socket over and you have a thinwall socket of the same size for wheels with minimal clearance. Weight 3 lbs. (1.3 kg).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30112**

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6 PC. 1/2 IN. DR. DEEP THIN-WALL IMPACT SOCKET SET



For the difficult aftermarket and manufacturers' wheels. Drive 1/2". Weight 3 lbs. (1.3 kg.).

Socket sizes:
- 17mm socket
- 13/16" socket
- 19mm, 3/4" socket
- 7/8" socket
- 21mm socket
- 3" extension

SPC **30113**

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5 PC. 1/2 IN. DR. THIN-WALL FLIP SOCKET SET



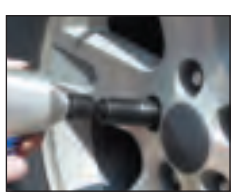
One end is a standard 6-point socket for everyday use. Flip socket, over and you have a 6-point socket of larger size.2.1 lbs. (1 kg).

Socket sizes:
- 19 mm-21 mm socket
- 17 mm-19 mm socket
- 3/4"-13/16" socket
- 7/8"-15/16" socket
- 3" extension

SPC **30119**

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3 PC. 1/2 IN. DR. THIN WALL FLIP IMPACT SOCKET SET



One end is a standard 6-point socket for everyday use. Flip socket over and you have a 6-point socket of larger size. Drive 1/2". Weight 1.2 lbs. (.54 kg.)

Socket sizes:
- 19mm-21mm socket
- 3/4"-13/16" socket
- 3" extension

SPC **30110**



HEAVY-DUTY IMPACT SOCKETS

Special Purpose Impact Sockets Off-Road Budd, Square, SAE, and Metric



Special 1 1/2" hex deep heavy-duty impact socket designed for outer cap nuts on Budd-style truck wheels. The 1 1/2" hex depth is limited to help prevent socket contact with the wheel. The socket is deep style to eliminate contact with the inner cap nut.

SPC **30120**

Item No.	Description	Drive	Weight
SPC **30120**	13/16" sq.	3/4"	1.4 lbs. (.6 kg)
SPC **30149**	13/16" sq.	1"	1.4 lbs. (.6 kg)

DEEP, THIN-WALL FLIP IMPACT SOCKETS

Black, 1/2" square drive, square impact socket is deep and thin walled to reach areas conventional sockets will not. Flip socket provides two socket sizes which cover virtually all SAE automotive wheel lug sizes. Imported.



SPC **30156**



SPC **30158**

Item No.	Socket Sizes	Drive	Weight
SPC **30156**	3/4", 13/16"	1/2" sq.	.4 lbs. (.18 kg.)
SPC **30158**	19 mm, 21 mm	1/2" sq.	.4 lbs. (.18 kg.)

COMBINATION BUDD WHEEL IMPACT SOCKETS - SAE & METRIC



SPC **30121**

Item No.	Description	Drive	Weight
SPC **30121**	1 1/2" x 13/16" sq.	3/4"	3.1 lbs. (1.4 kg)
SPC **30150**	1 1/2" x 13/16" sq.	1"	3.1 lbs. (1.4 kg)

DEEP LENGTH IMPACT SOCKETS - SAE & METRIC



SPC **30356**

Item No.	Description	Drive	Weight
SPC **30356**	33 mm deep	6 pt., 3/4"	1.6 lbs. (.7 kg)
SPC **30366**	33 mm deep	6 pt., 1"	1.6 lbs. (.7 kg)

TWIST SOCKETS & TWIST SOCKET SETS

Twist sockets are specifically designed to easily remove damaged, rounded or corroded nuts, wheel lugs, bolts, pipes, pipe nipples or studs. Simply place the socket so it barely catches the head of the fastener and turn with an air ratchet, hand ratchet, or breaker bar. The unique spiral fluting bites onto the damaged fastener and won't let go. Designed for general automotive applications.

3 PC. 1/2 IN. DR. 6-FLUTED TWIST FLIP SOCKET SET



Socket Sizes: 19mm and 13/16", 21mm socket, 6-fluted; 7/8" and 1" socket; and 3" extension. 1.3 lbs. (.6 kg).

SPC **30101**

3 PC. 1/2 IN. DR. 12-FLUTED TWIST FLIP SOCKET SET



Socket Sizes: 19mm and 13/16", 21mm socket; 7/8" and 1" socket; and 3" extension. 1.3 lbs. (.6 kg).

SPC **30102**

CARLYLE (NAPA) SAE MET



1/2 IN. DR. 6 PT. WHEEL PROTECTOR IMPACT SOCKETS & SET

Item No.	Description	*NPT* **61-0331** 9 Pc. Set
NPT **61-8624**	3/4"	•
NPT **61-8626**	13/16"	•
NPT **61-8628**	7/8"	•
NPT **61-8630**	15/16"	•
NPT **61-8632**	1"	•
NPT **61-8634**	1 1/16"	•
NPT **61-8617**	17mm	•
NPT **61-8619**	19mm	•
NPT **61-8621**	21mm	•

1/2 IN. DR. 4 PC. LUG NUT REMOVER IMPACT SOCKET SET



- Use for removing wheel locks or damaged lug nuts
- Patented, internal tapered reverse threads lock onto damaged nut and easily pulls off using impact wrench
- Convenient compact storage case, 6" x 5"x 2"; 1.5 lbs
- Limited Lifetime Warranty
- Imported

SPC **30254** Contains Socket Sizes: 3/4", 13/16", 1", 1 1/8"

7 PC. THIN-WALL IMPACT SOCKET SET



- Non-marring sockets for delicate wheels with minimal clearance for car/light truck; 6-point
- Convenient compact storage case, 9.5" x 6.5" x 2"; 5.1 lbs.
- 2-Year limited lifetime warranty
- Impact socket sizes: 1/2" drive x 3 3/8" long x 1" deep
- Imported

SPC **30259** Contains Socket Sizes: 13/16", 7/8", 1", 1 1/16"

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4 PC. H.D. WHEEL STUD REMOVER SET

Inner Budd Nut & Wheel Stud Removal Set

- Removes damaged wheel studs and inner Budd nuts
- Patented, internal tapered reverse threads lock onto damaged stud or nut and easily pulls off using impact wrench
- Wheel Stud Removers are 3/4" hex drive
- Budd Nut Removers are 1 1/8" hex drive
- Convenient compact storage case, 6.5" x 4.5" x 2.75"; 3.5 lbs
- Limited Lifetime Warranty
- Imported

SPC **30649**



Contents

Item No.	Description
SPC **30649-06**	5/8"
SPC **30649-07**	3/4"
SPC **30649-08**	1 1/8" Budd Wheel Inner Nut Left Hand Thread
SPC **30649-09**	1 1/8" Budd Wheel Inner Nut Right Hand Thread

BEAD-BREAKING TOOLS - TRUCK/FARM/OTR

These lightweight, portable tools are a great alternative to handled bead breaking wedges or hydraulic bead breakers. One end is used to remove frozen or rusted beads from all types of rims. On the *SPC* **34652**, the other end can be used as a leverage bar when inserted into the *SPC* **35695** or *SPC* **35697** Truck Lug Wrench.





SWAN NECK LEVERAGE BAR

Item No.	Length	Stock	Weight
SPC **33341**	30" (76 cm)	7/8" (22 mm)	5.3 lbs.(2.4 kg.)



BEAD BREAKER LEVERAGE BAR

Item No.	Length	Stock	Weight
SPC **34652**	33" (84 cm)	7/8" (22 mm)	5.5 lbs. (2.5 kg.)



BEAD-BREAKING TOOL/ DRIVING IRON

Driving iron is used for loosening rusted truck and bus beads. Will speed truck tire repair work and save labor and time.

Item No.	Length	Stock	Weight
SPC **32126**	11 3/4" (30 cm)	1 1/4" (32 mm)	4.4 lbs. (2.0 kg.)





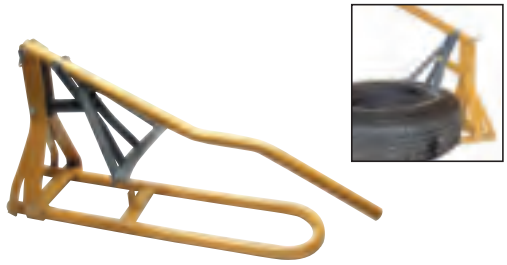
SPC **35924**

SPC **35926**

IMPACT BEAD BREAKERS

Bead breaker loosens beads with bead-breaking foot and ram bar, but never cuts the bead of the tire. The wedge foot is forced between the bead and rim flange. Breaker is designed for shop or road use. No other bead breaking tools are necessary. *SPC* **35926** has exclusive spring action design to reduce user fatigue associated with slide hammer kickback.

Item No.	Description	Length	Length Extended	Weight
SPC **35924**	Economy	46" (117 cm)	72" (183 cm)	13.5 lbs. (6.1 kg.)
SPC **35926**	Heavy-duty	50" (127 cm)	80" (203 cm)	23 lbs. (10.4 kg.)



FLOOR TYPE BEAD BREAKERS

Ideal for stubborn tires. Use to prevent the bending of wheels. A great solution for custom and foreign wheels. Designed for passenger and light truck.

Item No.	Description	Tread Width	Weight
SPC **35998**	Deluxe	Up to 11" (28 cm)	29.8 lbs. (13.5 kg.)

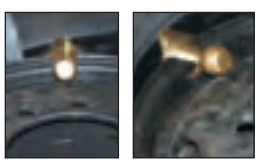
WARNING: Wear safety goggles when using striking or struck tools. Replace damaged tools.

SOLID BRASS BEAD HOLDING DEVICE

Reaches over extra wide bead of Super Singles. Holds the bead in place against the wheel when mounting the tire on wheel. Imported.
Weight 1.4 lbs. (.6 kg.).

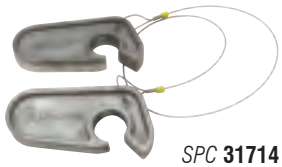
SPC **31710**





See our demo video at www.kentool.com

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SPC **31713** *SPC* **31714**

ALUMINUM BEAD HOLDER

- Special C-Lok™ shape fits nearly all passenger, light truck, agriculture and truck wheels without slipping off
- Patent pending aluminum design is lightweight but very strong and is less likely to mar alloy wheels
- Great for super singles and super wide wheels — fits both steel and aluminum wheels
- Available as a cabled pair *SPC* **31714** for difficult wheels

Item No.	Description	Weight
SPC **31713**	Single Aluminum Bead Holder	0.5 lb.
SPC **31714**	Cabled Pair	1 lb.

LOCK RING TOOLS

These tools are designed to remove most truck lock rings. A must-have for anyone mounting or demounting multi-piece rims. Use in pairs.





TRUCK LOCK RING REMOVER

Designed for smaller diameter wheels.



Item No.	Length	Stock	Weight
SPC **32123**	24" (61 cm)	11/16" (17.5 mm)	2.4 lbs. (1.0 kg.)



TRUCK LOCK RING REMOVER

Designed for smaller diameter wheels.



Item No.	Length	Stock	Weight
SPC **33223**	30" (76 cm)	11/16" (17.5 mm)	3.1 lbs. (1.4 kg.)



COMBINATION RIM/RING TOOL

Flat tapered end ideal for all around ring and rim work.



Item No.	Length	Stock	Weight
SPC **33224**	23 1/2" (60 cm)	11/16" (17.5 mm)	2.4 lbs. (1.0 kg.)



RIM LOCK TOOL

For servicing wide-base rims.



Item No.	Length	Stock	Weight
SPC **32125**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)



LOCK RING TOOL

Removes continuous side rings on two-piece truck rims.



Item No.	Length	Stock	Weight
SPC **32128**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)



HEAVY-DUTY LOCK RING TOOL

Use for multi-piece wheels, especially hub type.



Item No.	Length	Stock	Weight
SPC **34648**	37" (94 cm)	3/4" (19 mm)	4.6 lbs.(2.1 kg.)



INDUSTRIAL WHEEL LOCK RING TOOL SET

Removing and replacing lock rings on multi-piece industrial wheels presents its own set of unique problems - these tools are specifically designed to make that job easier, faster, and safer. Patented.

- Helps prevent injury - easier to keep hands safely outside of press cage!
- Tools are powder coated to protect from rust and corrosion; bright orange color helps prevent lost tools
- Forged from high-grade carbon steel and heat-treated for long-lasting strength and durability

Item No. *SPC* **32130** Mount/Demount Tool

- Demount end lifts split ring progressively around wheel until fully demounted
- Mount end used to mount split ring

Item No. *SPC* **32131** Demount Prep Tool

- Separator end separates split ring from solid flange ring to form gap
- Pry-out end reaches behind slotted end of split ring to pry it out and over the flange of the wheel

Item No.	Description	Length	Weight
SPC **32129**	2 Pc. Industrial Wheel Lock Ring Set	—	4 lbs.
SPC **32130**	Mount/Demount Tool	15 3/4"	1.8 lbs.
SPC **32131**	Demount Prep Tool	15 1/2"	1.5 lbs.

SMALL TIRE MOUNT/DEMOUNT IRONS

New designs are based on popular European styles. Extended length of the flat curved sliding surface provides mounting ability comparable to much longer traditional tire irons. Sizes available for motorcycle, passenger, truck, and heavy-duty tires. Use on car, motorcycle, truck, and agricultural tires. Designed for mounting and demounting tires. Best if used in pairs.





TIRE IRONS - SMALL TIRE

Professional tire changing tools for small tires. Ideal for mounting and demounting motorcycle, ATV, lawn tractor, golf cart, and small tires by hand. Rounded ends will not pinch tube.

Item No.	Length	Stock	Weight
SPC **32109**	9" (23 cm)	7/16" (11 mm)	.4 lbs. (.16 kg.)
SPC **32116**	16" (41 cm)	7/16" (11 mm)	.7 lbs. (.3 kg.)
SPC **32110**	2 pc. Carded Set - Contains 2 *SPC* **32109** 9" Bars		
SPC **32117**	2 pc. Carded Set - Contains 2 *SPC* **32116** 16" Bars		



TIRE IRONS - SMALL TIRE

Pro tire changing tools for small tires. Sturdy, comfortable plastic handles. Ideal for mounting and demounting motorcycle, ATV, lawn tractor, golf cart, and small tires by hand. Rounded ends will not pinch tube.

Model:	T5	T8
Length	16" (41 cm)	16" (41 cm)
Stock	7/16" (11 mm)	7/16" (11 mm)
Weight	0.8 lbs (.36 kg)	0.8 lbs (.36 kg)

Item No.	Description
SPC **32115**	T5
SPC **32118**	T8
SPC **32114**	2 Pc. Small Tire Iron Set (contains 1 each of *SPC* **32115** and *SPC* **32118**)

STANDARD & HEAVY-DUTY TUBELESS TRUCK TIRE MOUNT/DEMOUNT IRONS

Ken-Tool manufactures the largest and most diverse selection of tire mount/demount irons in the world. Ken-Tool makes a tire iron for all your tire changing needs. Use on truck, agricultural, and industrial tires. One-piece manufacturing process and design assures long life and superior performance. Heat treated for strength. Three sizes for many service needs. Use in pairs. Design allows for less effort, provides excellent wheel/rim surface contact area for less side-to-side movement. Improved blade and knob design. Tip on one end for grabbing the rim. Ken-Tool's original design offers one piece construction, and assures long life for applications.

Item No.	Length	Stock	Weight
SPC **34644**	37" (94 cm)	3/4" (19 mm)	5 lbs. (2.2 kg.)
SPC **34645**	37" (94 cm)	3/4" (19 mm)	4.6 lbs. (2.1 kg.)
SPC **34645C**	37" (94 cm)	3/4" (19 mm)	4.6 lbs. (2.1 kg.)
SPC **34647**	41" (104 cm)	7/8" (22 mm)	7 lbs. (3.2 kg.)
SPC **34847**	52" (132 cm)	1" (25 mm)	11 lbs. (5.0 kg.)

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MOUNT/DEMOUNT TIRE TOOLS - SMALL TIRE

Tools are used in pairs to mount or demount small passenger, industrial, ATV, and motorcycle tires.



Item No.	Length	Stock	Weight
SPC **32106**	16 1/2" (42 cm)	5/8" (16 mm)	1.5 lbs. (.7 kg.)



EUROPEAN STYLE MOUNT/DEMOUNT TOOLS

Use on car, motorcycle, truck, and agricultural tires. Designed for mounting and demounting tires. Best if used in pairs.

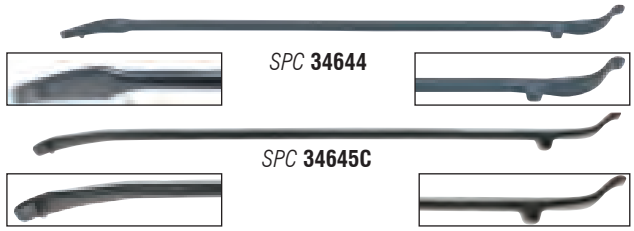
Item No.	Length	Stock	Weight
SPC **39810**	30" (76 cm)	7/8" (22 mm)	4.5 lbs. (2.0 kg.)
SPC **39808**	31" (79 cm)	7/8" (22 mm)	5.3 lbs. (2.4 kg.)
SPC **39806**	21" (53 cm)	7/8" (22 mm)	3.1 lbs. (1.4 kg.)

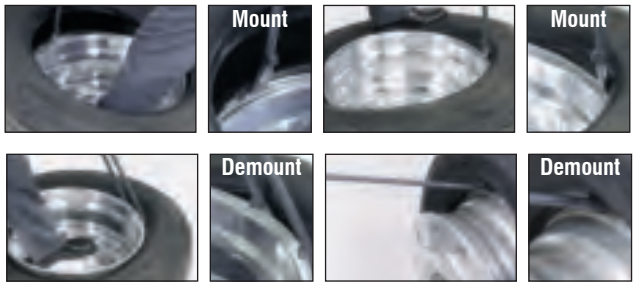


LARGE TIRE SNAKE® MOUNTING TOOL

Tire Snake® mounting and demounting tools for use with center post tire changers. Patented.

Item No.	Length	Stock	Weight
SPC **34678**	42" (102 cm)	3/4" (19 mm)	5.3 lbs. (2.4 kg.)





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SPC **34747**& *SPC* **34847**



SPC **34748** & *SPC* **34848**

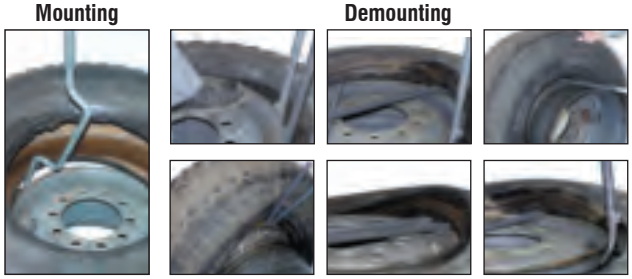


SPC **34847** end



SPC **34749** & *SPC* **34849**

Mounting **Demounting**



TUBELESS TIRE IRONS & SETS

Sets provide all irons necessary for a variety of tire changing applications. Use "C" bar with the "B" extension bar for easier use on large, wide-base truck tires. Use on standard and large truck tires, including industrial, farm, buses, and tractors.

Item No.	Description	Length	Stock	Weight
Standard				
SPC **34746**	Tire Iron Set includes: *SPC* **34747**, *SPC* **34748**, *SPC* **34749**	— —	3/4" 19 mm	12 lbs. 5.4 kg.
SPC **34747**	Straight Mount/Demount Tool	36" 91 cm	3/4" 19 mm	4.5 lbs 2.0 kg.
SPC **34748**	Straight Mount/Demount Tool "B" Extension for *SPC* **34749**	36" 91 cm	3/4" 19 mm	4.5 lbs. 2.0 kg.
SPC **34749**	Offset Mount "C" Bar	22" 56 cm	3/4" 19 mm	3 lbs. 1.4 kg.
Heavy-Duty				
SPC **34846**	Tire Iron Set includes: *SPC* **34847**, *SPC* **34848**, *SPC* **34849**	— —	1" 25 mm	29 lbs. 13.1 kg.
SPC **34847**	Straight Mount/Demount Tool	52" 132 cm	1" 25 mm	11 lbs. 5.0 kg.
SPC **34848**	Straight Mount/Demount Tool "B" Extension for *SPC* **34849**	49 1/2" 126 cm	1" 25 mm	11 lbs. 5.0 kg.
SPC **34849**	Offset Mount "C" Bar	27" 69 cm	1" 25 mm	6.6 lbs. 3.0 kg.



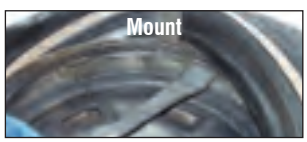
T45AS SUPER DUTY TUBELESS TRUCK TIRE IRON

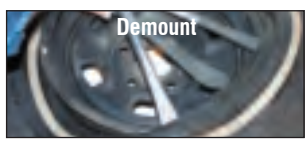
Combines the 52" length of Ken-Tool's popular T47A with the 7/8" stock size of the T45HD tire tools, while using the industry recognized bead- and user-friendly rounded ends found on the T45A.

- 52" length provides up to 40% greater leverage than the T45A, T45AC or T45HD
- Lighter weight – Weighs 20% less than the T47A tools
- Precision forged ends, heat treated throughout for a tough, slip-free grip on the rim and bead
- Like other tools in the T45 family, the angled tip easily slips between bead and rim and helps to prevent cutting or ripping the bead or sidewall
- The mount end's unique, trademarked curve design always grabs the bead edge
- 7/8" shaft for strength and durability; value priced
- Made in USA

SPC **34649**







STRAIGHT TIRE MOUNT/DEMOUNT SPOONS

These tools are designed for fast and efficient tire changing. Use the 18" and 24" spoons to mount or demount passenger car, motorcycle, ATV, and light truck tires. The 30" spoons provide enough strength and leverage to work on large truck, bus, off-road vehicle, tractor, and aircraft tires.

Item No.	Length	Stock	Weight
SPC **32101**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **32119**	24" (61 cm)	11/16" (17.5 mm)	2.5 lbs. (1.1 kg.)
SPC **33219**	30" (76 cm)	11/16" (17.5 mm)	3 lbs. (1.4 kg.)
SPC **33238**	30" (76 cm)	7/8" (22 mm)	4.8 lbs. (2.2 kg.)



DROP-CENTER MOUNT/DEMOUNT SPOONS

Item No.	Length	Stock	Weight
SPC **32121**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **34121**	24" (61 cm)	11/16" (17.5 mm)	2.5 lbs. (1.1 kg.)
SPC **34122**	30" (76 cm)	7/8" (22 mm)	4.5 lbs. (2.0 kg.)



CURVED MOUNT/DEMOUNT SPOONS

Item No.	Length	Stock	Weight
SPC **32102**	18" (46 cm)	11/16" (17.5 mm)	1.8 lbs. (.8 kg.)
SPC **32120**	24" (61 cm)	11/16" (17.5 mm)	2.4 lbs. (1.1 kg.)
SPC **33220**	30" (76 cm)	11/16" (17.5 mm)	3.1 lbs. (1.4 kg.)
SPC **33239**	30" (76 cm)	7/8" (22 mm)	4.5 lbs. (2.0 kg.)

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SPC **33199**



SPC **31810**



SPC **31710**



SPC **33196**



Bent End
For mounting and demounting bottom bead.



Curved End
For mounting and demounting top bead.



How To Use Tool On A 19.5" Wheel

NINETEEN-FIVE™ TIRE MOUNTING & DEMOUNTING

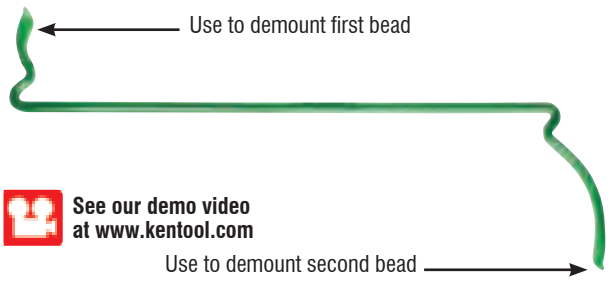
Tool Set For 19.5" Truck Tires

Everything you need to take the hassle out of changing 19.5" truck tires! Specially designed to clear the hub and tackle those stiff, high ply, thick beads! 19.5" tires are notoriously difficult to mount and demount. **19.5" tires must be mounted and demounted with the hub side up, because the drop center of the wheel is closer to the hub!** This is partly due to the fact that they are stiffer tires with high ply ratings and thick beads. The NINETEEN-FIVE™ is designed to handle these tough tires and make your job easier, faster and safer!

- New tire bar uniquely designed to work on hub side of wheel — where hub protrudes above rim
- Specially designed ends manipulate tire with less effort
- Tools are powder coated to protect from rust and corrosion
- Forged from high-grade carbon steel and heat-treated for long lasting strength and durability
- Specially designed Bead Holder to hold bead on 19.5" aluminum wheels
- Solid brass Bead Holder for steel wheels
- Aluminum Wheel Protector — thick leather pad helps protect rims from marring and scratching

Item No.	Description	Length	Weight
SPC **33199**	Tire Mounting/Demounting Tool	38"	7 lbs
SPC **31710**	Bead Holder for Steel Wheels - Solid Brass	4½"	1 lb
SPC **31810**	Aluminum Wheel Protector Leather	6"	.35 lbs
SPC **33195**	5 Pc.Tire Mounting and Demounting Set. Contains (2) *SPC* **33199**, (1) *SPC* **33196**, (1) *SPC* **31710** and (1) *SPC* **31810**	—	—

Serpent™ TIRE CHANGING SYSTEM



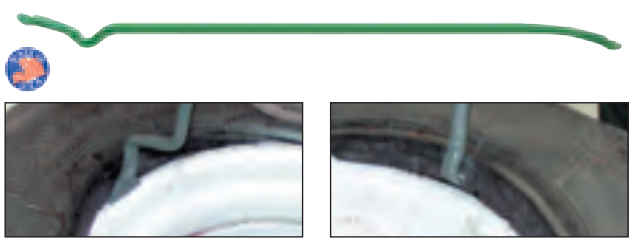
See our demo video at www.kentool.com



DEMOUNT TOOL

"Makes demounting easier than ever." Demounts both beads on most truck tires without the need for lifting the tire/wheel assembly off the ground, and then dropping it. Heat-treated alloy steel for maximum durability and strength. Patented.

Item No.	Length	Stock	Weight
SPC **35449**	39" (99 cm)	¾" (19 mm)	6.5 lbs. (3 kg.)



MOUNTING TOOL

"Makes mounting easier than ever." Designed to stop against the rim, and then remove itself effortlessly from between the rim and bead. The small end of the tool easily gets under the stretched bead for that last pull. Patented.

Item No.	Length	Stock	Weight
SPC **35450**	38" (96.5 cm)	11/16" (17.5 mm)	4 lbs. (1.8 kg.)

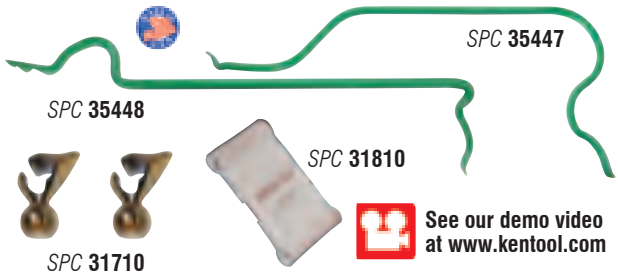
SERPENT™ 4 PC. TIRE CHANGING SET

Not Illustrated

Everything you need to change tires easily and effortlessly. Takes the struggle out of mounting and demounting truck tires.

Item No.	Description	Weight
SPC **35453**	Set of four: *SPC* **35449**, *SPC* **35450**, *SPC* **31810** (Leather Rim Protector) and *SPC* **31710** (Bead Holding Device)	12 lbs

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See our demo video at www.kentool.com

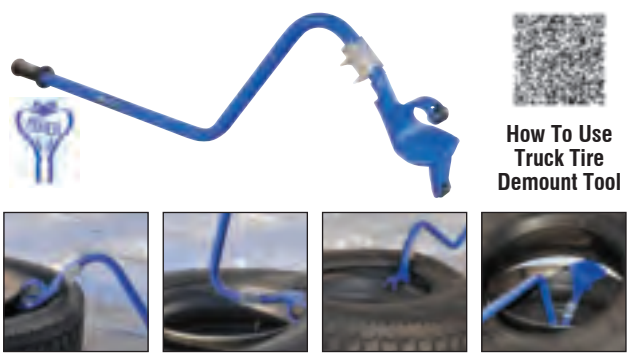
SUPER SERPENT™ 5-PIECE TIRE CHANGING SET

Specially designed to handle big tires - Now mounting and demounting the biggest, heaviest truck tire is made easy. Use the Super Serpent Mount Tool for super singles and super-wides; only weighs 6.5 lbs. The light-weight (5.5 lbs.) Super Serpent Demount Tool for super singles delivers incredible leverage to easily pop those heavyweight right off their wheels.

SPC **35446**

Contents

Item No.	Description	Qty.
SPC **35447**	Super Serpent Mount Tool	1
SPC **35448**	Super Serpent Demount Tool	1
SPC **31710**	Brass Bead Holding Devices	2
SPC **31810**	Leather Rim Protector	1



How To Use Truck Tire Demount Tool

BLUE COBRA™ TRUCK TIRE DEMOUNT TOOL

Demounts truck tires in seconds!

Fast and easy, the Blue Cobra™ truck tire demounting tool is strong but economical - the new 'golden' standard for tire changing!

- Quickly demount nearly any 22.5" and 24.5" tubeless truck tires, up to a 13" wide wheel
- Ergonomic shaped steel handle with no-slip grip for optimum leverage while reducing back injuries
- Solid steel Cobra head is press-fit into the steel handle — no fasteners to loosen or fall out
- Allows demounting of the tire without lifting the entire wheel and tire off the ground — reduces back injuries
- Made of durable high-quality steel — won't prematurely wear out like tools made of brass or bronze
- Aluminum bead support to grab the top bead of Super Single and Super Wide tires
- 2 heavy-duty nylon rollers are easily replaced when worn, kit *SPC* **35441** includes two rollers and two roll pins
- Special Bonus! Ken-Tool's patented leather wheel protector *SPC* **31810** included to help protect expensive alloy wheels!
- 54" long, 22 lbs., boxed and UPS shippable

SPC **35440**



A detailed lesson on how to use the Blue Cobra

BLUE COBRA™ TRUCK TIRE SERVICE SET

All the tools you need for changing 22.5" & 24.5" truck tires in one convenient set!

SPC **35442**

Contents

Qty.	Item No.	Description
1	*SPC* **35440**	Blue Cobra™ Truck Tire Demount Tool
1	*SPC* **34645C**	T45AC Classic Tubeless Tire Iron
1	*SPC* **33050**	Double-End Tire Spoon
1	*SPC* **35848**	8# Bucket Euro Paste Lube
1	*SPC* **30512**	Euro-Style Lube Applicator Brush
2	*SPC* **31713**	Aluminum C-Lok™ Bead Holder
1	*SPC* **31810**	Leather Rim Protector



DELUXE BLUE COBRA TRUCK TIRE SERVICE

All the tools you need for mounting and demounting most 22.5" and 24.5" truck tires.

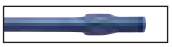
SPC **35444**

Contents

Qty.	Items No.	Description
1	*SPC* **35440**	Blue Cobra Truck Tire Demount Tool
1	*SPC* **34645**	37" T45A Tubeless Tire Iron
1	*SPC* **33052**	30" Double-End Spoon
1	*SPC* **35330**	T11ES Bead Breaking Wedge w/Orange Safety Handle
1	*SPC* **35323**	16½" T35 H.D. Tire Hammer w/Replaceable Rubber Head
1	*SPC* **35848**	8# Bucket - Euro-Paste Tire Lubricant
1	*SPC* **30512**	Euro-Style Tire Lube Applicator Brush
1	*SPC* **31713**	Bead Holders for Steel and Aluminum Wheels
1	*SPC* **31810**	Leather Rim Protector

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See our demo video at www.kentool.com

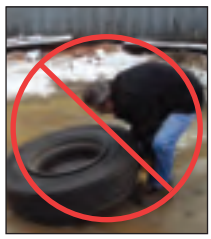


Knob Tip



Spoon Tip





IRONMAN™ ERGONOMIC WHEEL LIFTING BAR

Reduces back strain and injury when lifting truck tire and wheel assemblies. Use the leverage created by the tool - NOT YOUR BACK! Simple, inexpensive, easy-to-use tool substantially reduces the risk of back strain and injury.

- Easily and safely lift heavy, awkward truck tire and wheel assemblies
- Extremely useful in outdoor conditions - when truck tire and wheel assemblies can become wet and slippery
- Protect your workers and yourself - reduce injuries and claims - keep insurance premiums down
- Specially designed forged ends work from either side of the wheel assembly as it lays flat
- Lift all sizes and types of small and large heavy truck wheels: Standard sizes including 22.5" and 24.5" wheels, plus European (which have 1" lug holes), super wide and even the super single (a 340 lb. assembly) size

Item No.	Length	Weight
SPC **34950**	58" (nominal)	10 lbs





SPC **35936** *SPC* **35934**

VALVE BREAKER™

Quickly & easily remove valve stems from wheels! Compact and powerful!

See our demo video at www.kentool.com

- Made in USA from quality, high-grade steel
- Heat-treated punch for top performance and long life
- Pinch-preventing Safety Grip with vibration dampening tube grip
- Long-lasting baked powder coat finish
- T34B designed to fit into most 30" toolboxes
- Simple to re-build — only 3 components
- Available in two sizes
- Patented

Item No.	EDP No.	Description	Length	Weight
SPC **35934**	T34B	Valve Breaker	27"	9 lbs
SPC **35936**	T36B	Valve Breaker	45"	16 lbs



METRIC VALVE BREAKER

Specifically designed for use with aluminum wheels! Specially designed punch for use on 10mm valve stem holes found on aluminum, alloy, and European wheels. Removes nickel plated and steel valve stems quickly and safely. The 9mm punch is designed to fit through the valve stem hole and remove the valve stem – without making any contact with the wheel. Length: 45" (114 cm); Weight: 16 lbs (7.2 kg).

SPC **35938**

HEAVY-DUTY TIRE HAMMERS

Hammers are used for mounting and demounting tires. They make tire changing faster and easier for passenger car, truck, bus, farm tractor, and aircraft tires. A variety of weights and sizes are offered to meet all your tire changing needs. Non-marring rubber end can be used for driving on lock rings. Use rubber head replacement *SPC* **35105**.



SPC **35321** *SPC* **35325** *SPC* **35323**

WOODEN HANDLED

Item No.	Handle Item No.	Length	Head Weight	Weight
SPC **35321**	*SPC* **35119**	17" 43 cm	4.8 lbs. 2.2 kg.	5.4 lbs. 2.4 kg.
SPC **35323**	*SPC* **35119**	16½" 42 cm	5.5 lbs. 2.5 kg.	6.1 lbs. 2.7 kg.
SPC **35325**	*SPC* **35119**	16½" 42 cm	5.8 lbs. 2.6 kg.	5.3 lbs. 2.4 kg.

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FIBERGLASS HANDLED TIRE HAMMERS

Item No.	Handle Item No.	Length	Head Weight	Weight
SPC **35421**	SPC **35219**	18" 46 cm	5.5 lbs. 2.5 kg.	6 lbs. 2.7 kg.
SPC **35423**	SPC **35219**	18" 46 cm	4.8 lbs. 2.2 kg.	6.6 lbs. 3.0 kg.
SPC **35425**	SPC **35219**	18" 46 cm	5.8 lbs. 2.6 kg.	6 lbs. 2.7 kg.



REPLACEMENT RUBBER HEADS

Item No.	Description
SPC **35104**	For: SPC **35317**, SPC **35417**
SPC **35105**	For: SPC **35321**, SPC **35323**, SPC **35325**, SPC **35421**, SPC **35423**, SPC **35425**



SPC **35129**

REPLACEMENT HANDLES

Top-quality U.S. hickory Replacement Handles.

Item No.	For Hammer	Length	Weight
SPC **35111**	SPC **35311**	15" (38 cm)	.75 lbs. (.3 kg.)
SPC **35113**	SPC **35313**, SPC **35317**	15" (38 cm)	.75 lbs. (.2 kg.)
SPC **35119**	SPC **35319**, SPC **35321**, SPC **35323**, SPC **35325**	17" (43 cm)	.75 lbs. (.3 kg.)
SPC **35127**	SPC **35327**	17" (43 cm)	.75 lbs. (.3 kg.)
SPC **35129**	SPC **35329**	30" (76 cm)	1.2 lbs. (.5 kg.)



SPC **35231**

FIBERGLASS REPLACEMENT HANDLES

Item No.	For Hammer	Length	Weight
SPC **32506**	SPC **35413**, SPC **35417**	16" (41 cm)	1 lbs. (.5 kg.)
SPC **35211**	SPC **35411**	16" (41 cm)	1.3 lbs.
SPC **35219**	SPC **35419**, SPC **35421**, SPC **35423**, SPC **35425**	18" (46 cm)	2.5 lbs. (1.1kg.)
SPC **35227***	SPC **35427**	18" (46 cm)	1.2 lbs. (.5 kg.)
SPC **35229***	SPC **35429**	32" (81 cm)	2.3 lbs. (1.0 kg.)

***Nulok adapter (others use epoxy).**



TIRE KNOCKER

Top grade U.S. hickory.

Item No.	Length	Weight
SPC **35110**	18" (46 cm)	.7 lbs. (.3 kg)

DUCK-BILLED BEAD BREAKING WEDGES

Our most popular bead breakers.





SPC **35327**



SPC **35330**

WOODEN HANDLED

Increased contact area between the handle and the hammer head causes the handle to have a tighter fit when the head is seated on the handle. By increasing end-taper of the handle the hammer head cannot come off the end of the handle. No slits in the top of the handle minimizes the effect of Humidity/Climate (expansion & contraction) on the handle.

New T11ES (SPC **35330**) orange safety grip handle. Specially formulated granulated handle coating provides extra grip for sure control of the steel bead breaking wedge.

Item No.	For Hammer	Length	Weight
SPC **35327**	SPC **35127**	17" (43 cm)	4.8 lbs. (2.2 kg.)
SPC **35329**	SPC **35129**	30" (76 cm)	9.2 lbs. (4.2 kg.)
SPC **35330**	SPC **35131**	30" (76 cm)	9.2 lbs. (4.2 kg.)

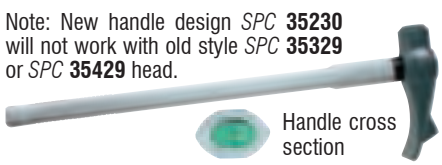


SPC **35429**

FIBERGLASS HANDLED

Item No.	Handle Item No.	Length	Head Weight
SPC **35427**	SPC **35227**	18" (46 cm)	4.8 lbs. (2.2 kg.)
SPC **35429**	SPC **35229**	32" (81 cm)	9.1 lbs. (4.1 kg.)

Note: New handle design SPC **35230** will not work with old style SPC **35329** or SPC **35429** head.



Handle cross section





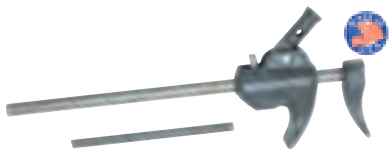
POLYMER €

Hump design prevents tool from wedging between rim and bead. Breaks the bead with little or no prying. New polymer handle design for longer lasting everyday use. Full length fiberglass core for greater strength. Coating on handle provides durability.

Item No.	Handle Item No.	Length	Head Weight
SPC **35460**	SPC **35230**	32" (81 cm)	10.5 lbs. (4.8 kg.)

Ken-Tool
WHEREVER TIRES ARE CHANGED™





RATCHET ACTION TRUCK TIRE SPREADER
Spread Capacity 3½"-14" (9 - 36 cm). Weight 7.3 lbs. (3.3 kg.)
SPC **31554**

Ken-Tool
WHEREVER TIRES ARE CHANGED™



MEGA AIR BLAST BEAD SEATING TOOL
- Use on ATVs, autos, light and heavy-duty trucks, plus Ag tractor tires
- Designed for use on tires up to 24½" diameter
- A heavy-duty ball valve quickly releases air between the bead and the rim
- Air pressure gauge and a safety release valve are included for operator convenience and safety
- ASME-UM certified 5-gallon tank

SPC **31444**

NAPA Tire Hardware



BEAD SEATING TOOL
5-gallon bead seating tool is designed for use on large truck, passenger and ATV tires up to 24½". ASME certified tank can be filled from any service station chuck or service truck air compressor.
NTH **90-403**

NAPA Tire Hardware



AUTOMATIC BEAD SEATING TOOL
5-gallon bead seating tool is designed for use on auto, ATV and truck tires up to 24½". ASME certified tank features automatic valve design for safer, faster, and easier air release operation.
NTH **90-404**

Ken-Tool
WHEREVER TIRES ARE CHANGED™





TIRE BEAD SEATERS
One-piece rubber tube for mounting hard-to-seat radial, bias-belted, or conventional truck tires. As tire is inflated, the lubricated bead seater forms a seal between the rim and tire, allowing the air pressure to force the beads into the rim flange. As proper pressure is reached, the bead seater slides out and over the rim. Use bead lubricant with bead seaters.

Item No.	Fits Rim Sizes	Weight
Passenger/Light Truck Bead Seaters		
SPC **31446**	14"-15" (36-38 cm)	1.5 lbs. (.7 kg.)
Truck Bead Seaters		
SPC **31437**	16½" to 17½" (42 to 45 cm)	2 lbs. (.9 kg.)
SPC **31438**	19½" (50 cm) 2.3 lbs. (1.0 kg.)	
SPC **31439**	22½" to 24½" (57 to 62 cm)	2.3 lbs. (1.0 kg.)

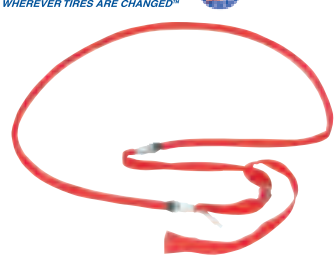
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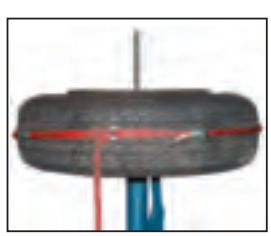




AIR BLAST BEAD SEATER FOR SMALL TIRES
For your small tire changing needs, Ken-Tool introduces a fast, easy and economical way to seat beads in one simple operation with the new Air Blast Bead Seater. This patent-pending air-blaster bead seater, seats the bead on most small tubeless tires with rims ranging from 4 to 12 inches. This is a one-man operation; just point, release, and watch this fast-acting bead seater do all the work. 5.6 lbs. (2.5 kg.)
SPC **31440**

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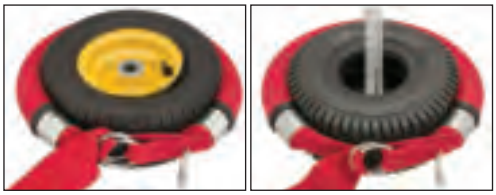




PNEUMATIC BEAD EXPANDERS
Expanders fit most bias ply passenger tires. A pliable neoprene rubber tube is encased in a tough, long-lasting nylon cover. Expanders slip easily over tire and withstand contact with oil, grease, solvents, and acids. Follow instructions included with tool. Use on bias ply, 14", 15", 70-series tires and larger. Expands bead by compressing tread. *SPC* **31432** for belted bias ply tires, includes over-pressure release valve. *SPC* **31433** for standard bias ply tires.

Item No.	Min/Max Diameter	Tube Diameter	Weight
SPC **31432**	24-34" (61-86 cm)	2¼" (6 cm)	2.8 lbs. (1.2 kg.)
SPC **31433**	22-32" (60-81 cm)	¾" (2 cm)	.75 lbs. (.3 kg.)

Ken-Tool®
WHEREVER TIRES ARE CHANGED™



Seats Beads On Hard-To-Seat Tubeless Utility Tires

T131 TUBELESS UTILITY TIRE AIR-POWERED BEAD EXPANDER

- Expands tubeless tire beads by compressing tread to seat beads
- Fits 10"-22" diameter tires
- Withstands contact with oil, grease, solvents, and acids
- Internal safety relief valve for quick deflation
- For use with shop air up to 150-psi
- Weight: 2.0 lbs
- Proudly Made in USA

SPC **31431**

ATV BEAD BREAKER



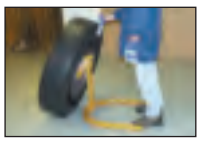


The ATV Bead Breaker is a manual solution that satisfies both manufacturers and tire changing technicians searching for a quick, safe, and affordable ATV bead breaker that really works. A rugged, yet lightweight tool that delivers the tremendous force necessary to overcome the resistance of a bead keeper. Constructed of heavy-duty steel, the ATV Bead Breaker works with any center post tire changing machine and adjusts to sizes of 6 to 12 inch ATV rims without the hassle of clevis pins. No hammers, wrenches, or additional tools are required. Very affordable! Patented.

SPC **38620**

EASY-LIFT™ BEAD SEATING STAND







Aligns beads concentrically on wheel for improved ride and longer tire life. Reduces back strain while handling 22.5" and 24.5" tires and wheel assemblies. Patented. Easy operation with less back strain:

- With hub facing out, simply roll mounted tire and wheel assembly to front of stand
- Push assembly onto crown - tire and wheel will automatically fall onto center of stand and rest with bead centered on bottom wheel flange
- Seat beads by inflating tire to 4-psi (max.)
- Step around stand and easily lift assembly into vertical position
- Roll assembly into tire inflation safety cage for final inflation
- Portable for field service, or can be bolted to the floor
- 24"H x 26"W x 27"L
- Made of high-grade steel

Item No.	Description	Weight
SPC **36016**	Std. Crown for 8¾" dia. Hubs	36 lbs.
SPC **36017**	Large Crown for 11" Euro Hubs	37 lbs.

See our demo video at www.kentool.com

BEAD LUBRICANT SWAB



Durable cotton applicator quickly holds and applies lube, twisted wire construction and wood handle. 10" long.

SPC **30511**

EURO-STYLE LUBE APPLICATOR BRUSH



Designed to the ideal angel to fit between the bead and the rim. Imported.

SPC **30512**

HEAVY PASTE LUBE



Concentrated economical tire mounting and bead packing lubricant, makes up to 15-gallons. 25-lb pail.

SPC **35840**

ULTRA LUBE



Premium rim and rust retardant and tire mounting lubricant for demanding applications. 25-lb pail.

SPC **35839**

TIGER PASTE LUBRICANT



Superior formulation for commercial, OTR and specialty equipment tires, with rust inhibitor. 7.5-lb bucket.

SPC **35837**

EURO PASTE LUBRICANT



Premium tire mounting lubricant dries tacky to prevent rim slippage, with rust retardant. 8-lb bucket.

SPC **35848**

BEAD-EZE® LUBE



Penetrating water-based lubricant for tire mounting, can be diluted for leak detection.

SPC **35847** 1-gal., 6-pack
SPC **35847S** 1-gal. single

DETECTO MIST® LEAK LOCATOR



Spray on tire to instantly detect air leaks, concentrated formula dilutes with water . 1-qt.

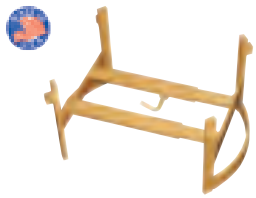
SPC **35805**

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WHEREVER TIRES ARE CHANGED™

TRUCK TIRE CHANGING STAND

Stand handles, wheels or open rims 16.5" to 24". Double-slide adjustment with locking device prevents twisting so it stays aligned with the wheel or rim. Stand is the ideal height for driving off beads or demounting tires. It must be used to be appreciated. 21 lbs. (9.5 kg.).

SPC **36015**



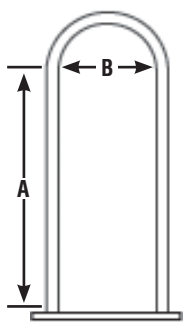


PORTABLE WIDE-BASE TIRE INFLATION CAGE

Specially designed for wide base tires, this portable inflation cage will hold super singles and super wide radial tires. Fits comparable tires up to 445/50R 22.5.

Item No.	Height A**	Width B	Base	MAX PSI	Weight
SPC **36007**	43 1/2" 111 cm	20 1/2" 52 cm	7" closed x 27" 18 cm closed x 69 cm	130	72 lbs. 32.6 kg.

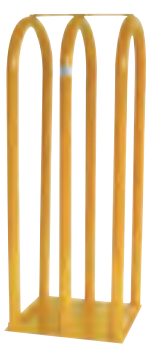








SPC **36001**



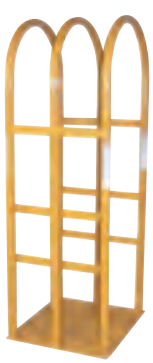
SPC **36006**



SPC **36002**



SPC **36005**



SPC **36004**

TIRE INFLATION CAGES

Mandatory for any shop working with tubeless and multi-piece rims. Made from heavy-gauge steel tubing welded to a steel base. Guards against blown lock rings and rims. Follow OSHA regulation 29-CFR Part 1910.177. Read safety label on cage. Designed to meet OSHA regulation requirements for Medium, Heavy-Duty Truck, OTR, Tractor, and Super Singles. Ken-Tool offers a size and design for all your needs. For additional safety labels and instructions, call Ken-Tool customer service. Made in the USA.

Item No.	Height A**	Width B	Base	MAX PSI	Weight
Portable Tire Inflation Cage - Two Bar Patented.					
SPC **36001**	41" 104 cm	16" 41 cm	7" closed x 21 1/2" 18 cm closed x 55 cm	130	60 lbs. 27.2 kg.
Tire Inflation Cage - Three Bar Passenger & Light Truck					
SPC **36003**	30" 76 cm	16" 41 cm	21 1/2" x 22" 55 x 56 cm	130	80 lbs. 36.2 kg.
Tire Inflation Cage - Three Bar					
SPC **36006**	43 1/2" 111 cm	20 1/2" 52 cm	26" x 22" 66 x 56 cm	130	134 lbs. 60.7 kg.
Tire Inflation Cage - Four Bar					
SPC **36002**	43 1/2" 111 cm	20 1/2" 52 cm	31 1/2" x 26" 80 x 66 cm	130	146 lbs. 66.2 kg.
Tire Inflation Cage - Five Bar					
SPC **36005**	43 1/2" 111 cm	20 1/2" 52 cm	41" x 26" 104 x 66 cm	130	182 lbs. 82.5 kg.
Tire Inflation Cage (OTR) - Three Bar					
SPC **36004**	65" 165 cm	24" 61 cm	30" x 27" 76 x 69 cm	130	158 lbs. 72.6 kg.

**** Height A refers to the approximate height up to the inside bend of the cage.**

WARNING: Tire changing can be dangerous, and should be done only by trained personnel using proper tools and equipment as directed by Federal OSHA Standard No. 29 CFR Part 1910.177. Tires may explode during inflation causing injury to operator or bystander. Wear safety goggles. Keep all parts of body outside cage. Use extension hose, clip-on chuck, and remote valve. See supervisor for safety procedures.
WARNING: Do not alter cage in any way. Cage must be freestanding and at least three feet from other objects. Discard cage if bent, cracked, or otherwise damaged. Always wear safety goggles.

Ken-Tool®
WHEREVER TIRES ARE CHANGED™



Why tire cages are important.

5-BAR MAGNUM

Designed to accept the new generation of Super Single and Super Wide-Base truck tires with their higher inflation pressures and air volumes. Rated to 130 psi.

Item No.	Height A**	Width B	Base	MAX PSI	Weight
SPC **36009**	41-1/2" (105 cm)	24-1/2" (62 cm)	48" x 30" (122 cm x 76 cm)	130	211 lbs (96 kg)



7-BAR CAGE

Mandatory for any shop working with tubeless and multi-piece rims. Made from heavy-gauge steel tubing welded to a steel base. Guards against blown lock rings and rims. Follow OSHA regulation 29-CFR Part 1910.177. Read safety label on cage. Designed to meet OSHA regulation requirements for Medium, Heavy-Duty Truck, OTR, Tractor, and Super Singles. Ken-Tool offers sizes and designs for all your needs.

Item No.	Height A**	Width B	Base	MAX PSI	Weight
SPC **36008**	46" (117 cm)	29" (74 cm)	56" x 34" (86 cm x 142 cm)	130	485 lbs (220 kg)



5-BAR SUPERMAGNUM

SuperMagnum reduces energy blast for by 93%! Designed to accept the new generation of Super Single and Super Wide-Base truck tires with their higher inflation pressures and air volumes. Rated to 130-PSI! SuperMagnum *SPC* **36010** with steel mesh diffuses 93% of blast force from zipper rupture!

Item No.	Height A**	Width B	Base	MAX PSI	Weight
SPC **36010**	41-1/2" (105 cm)	24" (61 cm)	48" x 30" (122 cm x 76 cm)	130	248 lbs (112.7 kg)

WARNING: Tire changing can be dangerous, and should be done only by trained personnel using proper tools and equipment as directed by Federal OSHA Standard No. 29 CFR Part 1910.177. Tires may explode during inflation causing injury to operator or bystander. Wear safety goggles. Keep all parts of body outside cage. Use extension hose, clip-on chuck, and remote valve. See supervisor for safety procedures. WARNING: Do not alter cage in any way. Cage must be freestanding and at least three feet from other objects. Discard cage if bent, cracked, or otherwise damaged. Always wear safety goggles.

Ken-Tool Introduces the World's Largest Single-Piece Tire Inflation Cage



EARTHMOVER TIRE INFLATION CAGE

Mandatory for any shop working with tubeless and multi-piece rims. Guards against blown lock rings and rims. Designed to meet OSHA reg. 29-CFR Part 1910.177. Max PSI 100.

Ken-Tool® Introduces the "World's Largest Single-Piece Inflation Cage"

- For large Earthmover & Agricultural tires
- New patent pending design; with 10-bar construction
- Fits up to 29.5R25 L-3 Earthmover
- For maximum tire inflation pressure up to 100-psi
- Cage dimensions: 48" x 72" x 89"; ships on skid
- Explosion testing video at 150-psi on www.kentool.com
- Proudly Made in USA

SPC **36011**



Ken-Tool WHEREVER TIRES ARE CHANGED™

PORTABLE MAGNUM 2-BAR

Designed to accept the new generation of Super Single and Super Wide-Base truck tires with their higher inflation pressures and air volumes. Rated to 130 psi.

Item No.	Height A**	Width B	Base	MAX PSI	Weight
SPC **36019**	49-1/2" (126 cm)	24-1/2" (62 cm)	7" x 30" closed (18 cm x 76 cm)	130	80 lbs (36.2 kg)

Ken-Tool WHEREVER TIRES ARE CHANGED™



Tries not included.

T107 UTILITY TIRE INFLATION CAGE

Designed for NHS Tires, Lawn and Garden Tires, ATV Tires, Mobility Scooters, Golf Carts and other small tires. First restraining device of its kind, made of carbon steel. Current inflation cages are too large to accommodate small utility tires, but these tires can still be dangerous. Protects technician from tire explosions, tires slipping off the rim and mis-mounting. No tire shop should be without a proper restraining device. 18 3/8" L x 25 3/8" H x 10 1/2" W. Safely accommodates tires up to 20" tall and 10" wide. Rated to 80 psi; 24 lbs., UPS Shippable. Made In USA.

SPC **36000**

WARNING: Tire changing can be dangerous, and should be done only by trained personnel using proper tools and equipment as directed by Federal OSHA Standard No. 29 CFR Part 1910.177. Tires may explode during inflation causing injury to operator or bystander. Wear safety goggles. Keep all parts of body outside cage. Use extension hose, clip-on chuck, and remote valve. See supervisor for safety procedures. WARNING: Do not alter cage in any way. Cage must be freestanding and at least three feet from other objects. Discard cage if bent, cracked, or otherwise damaged. Always wear safety goggles.



LITTLE GORILLA LIGHT-DUTY TIRE CADDY

A real back saver! Easily slides under any non-weighted 14- to 19-inch wheel and lifts tire directly onto hub. Steel pins in tubing keep tire from sliding off. Steel roller bearings for easy mobility. Handle fits inside tubular frame for compact storage.

BK **735-1295**

TIRE & TUBE TEST TANK



Durable plastic tank is constructed of rugged, heavy-duty polyethylene, which resists rust, dents and mild chemicals. Features reinforced ribs for extra support, a lip which doubles as a splash guard and carrying handle. Accommodates passenger-size, wide oval and light-duty truck tires. Punctures are easy to spot against black plastic tank. Dimensions: 31" x 12" x 12".

BK **817-1065**

coats



EL-X EXPRESS LANE INFLATION SYSTEM

The tire inflation cage provides up to 20% time savings on a four-tire exchange vs. the conventional inflation process.

CTC **ELX**

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See our demo video at www.kentool.com

Thread screw has been milled to fit MTD wheels.

FLOOR MOUNT MANUAL TIRE CHANGERS

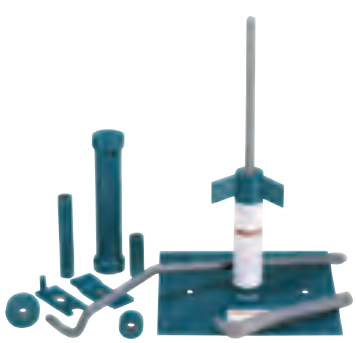
Mounts and demounts a full range of tires on rim diameters from 4 to 12 inches. Also mounts and demounts most passenger car and light truck tires with optional 42" Tire Snake® (*SPC* **34678**). Tapered bearing guide positively centers straight shaft hubs of all diameters. A built-in, infinitely adjustable bead breaker works on rims up to 16.5" in diameter and 24" in width without disassembly. Includes a Ken-Tool exclusive, 28" Tire Snake® mount/demount tire tool. Patented. Height 32" (81 cm). Weight 31 lbs. (14 kg.).

SPC **38601**

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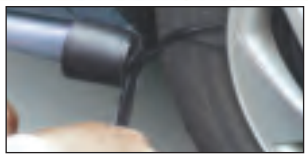
See our demo video at www.kentool.com

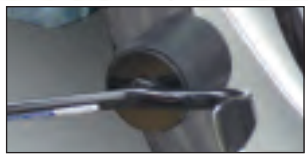
Thread screw has been milled to fit MTD wheels.

BENCH/RIM CLAMP MOUNT

Mounts and demounts a full range of tires on rim diameters from 4 to 12 inches. Also mounts and demounts most passenger car and light truck tires with optional 42" Tire Snake® (*SPC* **34678**). Mounts easily to a bench or in any standard, four-position rim-clamp tire changer. A built-in, three fin centering device mounts standard lug-type rims with 2" and larger center hole. Square base prevents turning in the changer during use. Includes a Ken-Tool exclusive, 22" Tire Snake® mount/demount tire tool. Patented. Height 16½" (42 cm). Weight 21.7 lbs. (10 kg.).

SPC **38600**





WHEEL COVER PULLER/REPLACERS

Remove wheel covers quickly and easily without gouging or scratching them. Rubber head *SPC* **35104** prevents damage to hub cap and is replaceable.

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PRO WHEEL COVER PULLER/REPLACER

Item No.	Length	Stock	Weight
SPC **31567**	17½" (45 cm)	9/16" (14.3 mm)	1.8 lbs. (.8 kg.)

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STANDARD WHEEL COVER PULLER/REPLACER

Item No.	Length	Stock	Weight
SPC **31568**	14" (36 cm)	7/16" (11.1 mm)	1.3 lbs. (.6 kg.)

Ken-Tool® WHEREVER TIRES ARE CHANGED™



PROFESSIONAL CHROME LUG NUT COVER REMOVER

Special coating will not scratch or damage chrome, painted, or coated lug nut covers. 1.3 lbs. (.6 kg.)

SPC **30606**



NAPA ServiceTools

WHEEL CAP SERVICE TOOL

This hubcap removal tools unique slide hammer design eliminates prying against the wheel finish and potential scratches. Opposite end has a rubber bumper used to re-install cap with a simple tap.

SER **5758**

WHEEL BALANCERS

Wheel Balancers
- Bosch® 681-682
- COATS® 678-681
- Hofmann® 683-685

Wheel Weight Accessories & Tools 690-691
Wheel Weights 686-690





1250 BALANCERS

- Exclusive Coats® Direct Drive motor, 220 volt
- Laser-guided operation, dual operators and integrated behind-the-spoke capability

Model 1250-2D

- Direct LASER weight placement
- Auto A&D data entry measures up to 30” rims

Model 1250-3D

Everything in the 1250 PLUS:

- Third parameter auto data entry
- Stop and lock at first weight location
- Auto indexing to second weight location

1250 ADAPTER KITS

Not Illustrated

The *CTC* **1250** family machines must be ordered with your selection of a Basic, Extended or Premium Adapter Package.

Basic Kit includes four basic cones for most OE car and light truck wheels up to 5" centers.

Extended Kit adds a short cone a light truck cone kit for OE wheels up to 6.8" and a faceplate extension for light truck back coning

Premium Kit adds a pin plate set and roll around storage. Pin Plates are required for mounting aftermarket rims. Choose 28mm or 40mm shaft to match other balancers in your shop and share adapters.

Item No.	Description
CTC **1250-2D-28A**	Laser Direct, 2D Auto Entry, 28mm, 220 Volt, 1 phase
CTC **1250-2D-28B**	Laser Direct, 2D Auto Entry, 28mm, 220 Volt, 3 phase
CTC **1250-2D-40A**	Laser Direct, 2D Auto Entry, 40mm, 220 Volt, 1 phase
CTC **1250-2D-40B**	Laser Direct, 2D Auto Entry, 40mm, 220 Volt, 3 phase
CTC **1250-3DA**	Laser Direct, 3D Auto Entry, 40mm, 220 Volt, 1 Phase
CTC **1250-3DB**	Laser Direct, 3D Auto Entry, 40mm, 220 Volt, 3 Phase
Adapters	
CTC **114335**	28mm Basic Kit, for use with 1250-2D-28mm only
CTC **114337**	28mm Extended Kit, for use with 1250-2D-28mm only
CTC **114338**	28mm Premium Kit, for use with 1250-2D-28mm only
CTC **5009974**	40mm Basic Kit, for use with all 1250-40mm version
CTC **5009976**	40mm Extended Kit, for use with all 1250-40mm versions
CTC **5009977**	40mm Premium Kit, for use with all 1250-40mm version

V200 WHEEL BALANCER

A performance balance. The first time, every time.

- Powered by Direct Drive
- ProBalance Technology™
- Laser Guided Operation™
- Stop, Lock and Index

CTC **V2003DA** Single Phase
CTC **V2003DB** 3 Phase



1150 AND 1100 SERIES WHEEL BALANCERS

Packed with features for front line tire service.

1150 Series

- Powered by direct drive
- Direct Tape-A-Weight Measurement™
- Static-On-Screen®
- Behind the spoke

1100 Series

- Powered by direct drive
- Manual data entry
- Static-On-Screen®
- Auto start hood

Item No.	Description
1150 Series	
CTC **11502DA**	Single Phase
CTC **11502DB**	3 Phase
1100 Series	
CTC **1100A**	Single Phase
CTC **1100B**	3 Phase



DOUBLE SIDED COLLETS (SET OF 8)

The double sided collets are designed with a low angle, providing the technician with a durable and precise mounting method that replicates the mounting of the wheel on the vehicle.

CTC **5609499**



ADJUSTABLE PIN PLATES

The adjustable pin plates offer one, reliable system when balancing wheels, allowing the technician the precision to achieve the ideal performance balance.

CTC **5610104**



SIDE SHADOW STORAGE BOARD

The side shadow storage board easily attaches to any Coats direct drive wheel balancer, providing technicians with an organized way to store the necessary parts to properly balance wheels.

CTC **5609873**



TIRE SERVICE - BALANCING ACCESSORIES

Description	28mm Item No.	40mm Item No.
Cone, medium - 1.75" - 2.25" center holes	CTC 110410	CTC 112098
Cone, medium - 2.25" - 3.00" center holes (3 cone system)	CTC 110411	CTC 112099
Cone, large - range: 3.00" - 3.60" center holes	CTC 110412	CTC 112100
Cone, light truck, range: 3.37" - 5.250"	CTC 308095	CTC 112101
Spring (3 cone system)	CTC 308820	CTC 112107
Short cone, balancer, 1.125" I.D., Range 2.540" - 3.025"	CTC 112420	CTC 112421
Drum - small pressure - 4.625" diameter	CTC 110542	CTC 112106
Drum - large pressure - 5.75" diameter	CTC 110544	—
Hub nut handle - replacement hub nut for standard coarse thread shaft.	CTC 110543	CTC 112103
Alu-Cup pressure cup - extra large - for alloy wheels, 8.375" O.D.	CTC 113308	CTC 113309
Light truck back cone	CTC 111539	—
Rubber lip, replacement ring for Alu-Cup No. CTC 8111518 & CTC 8112382	CTC 113310	CTC 113310
Cone, Ultra low angle for F-150s	CTC 1144441	CTC 1141821
Cone, Back, Light Truck for XR-Series Balancers	CTC 500035201	CTC 1136871


CTC 110410
CTC 112098


CTC 110411
CTC 112099


CTC 110412
CTC 112100


CTC 308095
CTC 112101


CTC 308820
CTC 112107


CTC 112420
CTC 112421


CTC 110542
CTC 112106


CTC 110544


CTC 110543
CTC 112103


CTC 113308
CTC 113309


CTC 111539


CTC 113310


CTC 1144441
CTC 1141821


CTC 500035201
CTC 1136871

OFFSET TRUCK WHEEL ADAPTERS

Fit Truck Hub Centered Wheels

Set Contents

- 1 - Metal backing plate
- 1 - Ford 19.5" & 16" wheel - metal double sided adapter
- 1 - GM/Chrysler 16" wheel - metal double sided adapter
- 1 - Valve index balancing procedure instruction sheet





Applications

- Ford 19.5" & 16" (found on super duty models starting in 1999)
- GM 16" (starting in 1999)
- Chrysler 16" (starting in 1999)

Features

- Adapters are specifically designed to precisely fit the applications
- Metal double sided adapters require less storage space
- Metal double sided adapters are clearly marked with application information on each side to help the technician get the job done faster and correctly the first time
- Valve index balancing procedure includes wheel installation procedure

28mm	40mm	2"	Description
CTC 113041	CTC 113042	CTC 113043	Set Offset Truck Wheel Adapters includes both adapters and backing plate
CTC 113032	CTC 113033	CTC 113034	Ford deep offset adapter from 1999 - 2010. One side measures 4.922" (124.9mm) and the other side is 6.693" (170.1mm)
CTC 113057	CTC 113058	CTC 113059	GM/Chrysler deep offset adapter from 1999 - 2010. One side measures 4.56" (115.8mm) and the other side 4.76" (121.3mm).
CTC 113060	CTC 113061	CTC 113062	Backing plate
CTC 5609624	CTC 5609626	CTC 5609628	The #2 GM/Chevy Offset Adapter is an extension of the existing direct fit offset adapters for medium duty vehicles. The new offset adapter is sized to 6.07" (154.2mm) on side one and 4.59" (116.7mm) on side two. These sizes fit late model Chevy Silverado, Avalance, C-2500, 3500, Sierra and Suburban. The direct matching of the offset adapter to the OE wheel ensures that the wheel is mounted to the balancer in the same manner as it is mounted to the vehicle.
CTC 5609250	CTC 5609252	—	The #2 Ford Offset Adapter is an extension of the existing direct fit offset adapters for medium duty-vehicles. The new offset adapter is sized to 4.88" (123.95mm) on side one and 5.59" (142.10mm) on side two. These sizes fit late model F350 Dually wheels and model E450 Dually wheels. The direct matching of the offset adapter to the OE wheel ensures that the wheel is mounted to the balancer in the same manner as it is mounted to the vehicle.

LIGHT TRUCK & VIPER BACK CONE SPACER



Use with the Coats® *CTC* **308095** (28mm) or *CTC* **112101** (40mm) for accurate back cone mounting of wheels with centers up to 5" in diameter

CTC **111935** Not for use on 775/875/1175
CTC **560639401** For use on 775/875/1175

CALIPER ASSEMBLY



CTC **309011**

CTC **309011** Caliper assembly - for models 600 thru XR Series
CTC **309608** Caliper assembly - for *CTC* **6401**

BALANCER SHAFT - 7 IN.



- 7" of usable, full diameter, 1.125" (28mm) balancer shaft
- Coats® standard coarse thread
- Simply replace the standard shaft with the 7" shaft
- Useful with Pin-Plates, Fixed Finger Plates, Air Nuts, and other adapters that require more shaft space

CTC **113167**

CONVERSION BALANCER SHAFT - 40MM



CTC **113082**

- You do not have to replace your 40mm accessories when you switch to a Coats® balancer from a different brand
- Install the 40mm shaft in place of the standard 1.125" (28mm) I. D. shaft. (Kits include installation instructions)
- 7" of usable thread length
- Three Kits are available (not for XR Series):

Item No.	Description
CTC **113082**	Shaft & coupler
CTC **113086**	Shaft, coupler, hub-nut small pressure drum
CTC **113307**	Shaft, coupler, hub-nut, small pressure drum, 4 “standard” big balancer cones, and back spring

IMPROVED LIGHT TRUCK FRONT CONE KITS



- Solid metal backing plate - 7.91" O.D.
- Double Sided Cone - Range: 4.80"-6.80"
- Available in 28mm & 40mm I.D.
- Components available separately

CTC **113276C** Front Cone Kit 28mm I.D.
CTC **113277C** Front Cone Kit 40mm I.D.



3D LED HEAVY-DUTY WHEEL BALANCER

Bar None, the Best Heavy-Duty 3D LED Balancer in the Business

- Auto data entry for all three parameters with one touch. Just drop the hood and go
- Powerful 1.5 HP direct drive motor shaves 20 seconds off a typical 22.5" spin
- Static on screen provides simultaneous display of static, dynamic data, and identifies any excess residual static imbalance
- Stop and lock rotates the wheel to the first weight position and hold it until the weight is installed
- Auto indexing automatically moves the wheel to the second weight position and holds again
- 500 lbs. Meet Lab/UL approved
- Designed for front line, high volume balancing
- Easy to read LED readouts

Specifications

Drive System: ..... Direct
Tire Diameter: ..... 52"
Rim Width: ..... 20"
Maximum Tire Weight: ..... 500 lbs. (UL)
Auto Data Entry: ..... 3 Parameter
Stop On Top: ..... Stop & Lock
Auto Indexing: ..... Yes
Motor Size: ..... 1.5 hp Direct
Cycle Time: ..... R11 22.5 (200 lbs.) 18 sec.
Cones: ..... 2 Auto, 2 light Truck
Ounce/Gram Selectable: ..... Yes
Balancing Modes: 11
Shaft Diameter: ..... 2" (51mm)
Shipping Weight: ..... 1,100 lbs.

Item No.	Description
CTC **6450A**	220v/1P
CTC **6450B**	220v/3P
CTC **6450-3D-LEA**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/1P
CTC **6450-3D-LEB**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/3P
CTC **6450-2DA**	220v/1P
CTC **6450-2DB**	220v/3P
CTC **6450-2D-LEA**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/1P
CTC **6450-2D-LEB**	w/ 575 lift, *CTC* **109877** Budd Cone & *CTC* **143935** Budd Lug adapter, 220v/3P
CTC **575**	Wheel Lift
CTC **109877**	Cone Kit, Fits Center holes 8.52" through 8.89"
CTC **110785**	Dayton Wheel Adapter, Fits 20" and 22.5" Dayton: Style Rims
CTC **110786**	Dayton Extension Adapter, Extends above to 22" and 24.5"
CTC **143935**	Large Budd Wheel Adapter, Fits Most Stud Centered Budd 8 and 10 Lug

HEAVY DUTY WHEEL BALANCER



The 6450 is unlike other heavy-duty balancers which simply change the round-off when switching between heavy duty and passenger car work. The Coats® 6450-2D stores and runs two INDEPENDENT SETS of calibrations. So, in addition to changing round-offs, these machines dynamically adjust balancing parameters based on the job at hand. It's like having two machines in one without any trade-offs inherent to other heavy-duty offerings.

- Powerful 1.5HP direct drive motor shaves 20 seconds off a typical 22.5" spin.
- DCS ensures the 6450 is the most accurate heavy duty balancer in car/light truck mode on the market, like two balancers in one.
- 2 parameter auto data entry system for clip weight and 3 parameter for Tape-A-Weight®
- 500 lbs. Met Lab / UL approved with 52" wheel capacity.
- Designed for front line, high-volume balancing.
- Easy-to-read LED readouts.
- 2" (51mm) heavy duty arbor on Coats® proven direct drive motor
- Laser-guided direct Tape-A-Weight placement

CTC **64502D**

WHEEL LIFT



The Coats® 575 Wheel Lift offers reliable lift capability for the Coats® 6450 Wheel Balancer, and the Coats® 6401 balancer (with optional connection *CTC* **85608066**.)

- 500 lb capacity
- Air Operated
- Bolts to 6450 balancers for exact alignment (requires *CTC* **85608066** connector to attach to model 6401 Balancers)
- Wide platform to support the largest wheels that can fit on the balancer
- Full frame base for superior stability
- Carriage design like a two post vehicle lift for durability
- Extra adapter storage where the operator needs it
- Controls are on the front of the lift for minimal operator travel

CTC **575**

BALANCER CHUCKS



CTC **113326**

The Coats® balancer chuck centers itself in the wheel, off the balancer, so weight is not a factor, then you mount the assembly onto the balancer shaft

- Easier for a technician to achieve an accurate mounting compared to a steep cone
- Since this is a 3 jaw chuck, cone angle is not a factor
- Available in difference sizes, basic jaws can be scaled up to increase capabilities, making balancer chucks a versatile tools for most hub centric wheels
- Kits include a balancer chuck, matching pressure drum, and chuck key
- A ratchet may be used with chuck key
- Few components to store

Balancer Chucks	Item No	28mm Item No	40mm Item No	2" Range
Standard	*CTC* **113326**	*CTC* **113330**	—	3.2"-7.1"
Heavy Duty	—	*CTC* **5009088**	*CTC* **5009086**	8"-12"

BOSCH
Invented for life

WBE 4140 STANDARD MONITOR DISPLAY WHEEL BALANCER

The WBE 4140 is an entry level balancer that services a wide variety of tires. Highly accurate and reliable operation so that job gets done right the first time, every time.

Features

19" Standard Monitor with Standard Connections
- Easy and inexpensive maintenance and replacement if damaged!

2D Automatic Data Entry (distance and diameter)
- Faster setup time!

Includes High Performance 5 Cone Mounting Set
- 4 lower tapered cones for increased accuracy!
- Light truck spacer and cone included!

Includes Quick Mounting Nut
- Fast reliable installation!

Small Footprint
- Maximize your floor space!

Manual Positioning Pedal
- Locks wheel in place for accurate weight placement!

Extended Shaft
- Allows the use of flange plates to service a greater variety of wheels

Multiple Balancing Programs and Weight Placement Options
- Sure to find an option to meet your needs!



Specifications

Rim width capacity: ..... 19"
Rim diameter capacity: ..... 8"-26"
Max wheel diameter: ..... 32.5"
Max wheel weight: ..... 143 lbs.
Superior warranty: ..... (1 yr parts/3 yrs motor/6 mos. labor)

BSD **1694100205**

WBE 4110 STANDARD DIGITAL DISPLAY WHEEL BALANCER

The WBE 4110 is an entry level balancer that services a wide variety of tires. Highly accurate and reliable operation so that job gets done right the first time, every time.

Features

2D Automatic Data Entry (distance and diameter)
- Faster setup time!

Includes High Performance 5 Cone Mounting Set
- 4 lower tapered cones for increased accuracy!
- Light truck spacer and cone included!

Includes Quick Mounting Nut
- Fast reliable installation!

Small Footprint
- Maximize your floor space!

Manual Positioning Pedal
- Locks wheel in place for accurate weight placement!

Extended Shaft
- Allows the use of flange plates to service a greater variety of wheels

Multiple Balancing Programs and Weight Placement Options
- Sure to find an option to meet your needs!



Specifications

Rim width capacity: ..... 19"
Rim diameter capacity: ..... 8"-26"
Max wheel diameter: ..... 32.5"
Max wheel weight: ..... 143 lbs.
Superior warranty: ... (1 yr. parts/3 yrs. motor/5 yrs. trans./6 mos. labor)

BSD **1694100204**

BOSCH
Invented for life



WBE 4430 PREMIUM MONITOR DISPLAY WHEEL BALANCER

The WBE 4430 is a highly accurate machine capable of balancing a wide variety of wheels. This precision balancer comes with enhanced features for a faster cycle time, and quicker data entry.

Features

19" Standard Monitor with Standard Connections
- Easy and inexpensive maintenance and replacement if damaged!

Enhanced 6 Second Cycle Time
- Balance more tires per day!

Laser Weight Placement Indicator
- Shows 3, 6 and 12 o'clock positions

Innovative Light Ring
- Illuminates where you need it most, inside the wheel!

3D Automatic Data Entry (width, distance, and diameter)
- Faster setup time!

Customizable Hot Buttons
- Fast, intuitive operation

Includes High Performance 5 Cone Mounting Set
- 4 lower tapered cones for increased accuracy!
- Light truck spacer and cone included!

Includes Quick Mounting Nut
- Fast reliable installation!

Automatic Positioning Lock
- Locks wheel in place for accurate weight placement!
- Automatically stops near first weight location position!

Easyfix Auto-Locking Weight Placement Arm
- Eliminates user error for correct weight placement every time!
- Customizable manual override at 3, 6, or 12 o'clock positions based on user preference!

Extended Shaft
- Allows the use of flange plates to service a greater variety of wheels!

Weight Location Intuition
- Machine automatically figures out where you will be placing the weight!

Multiple Balancing Programs and Weight Placement Options
- Sure to find an option to meet your needs!

Specifications

Rim width capacity: ..... 24"
Rim diameter capacity:..... 12"-30"
Max wheel diameter: ..... 47.25"
Max wheel weight: ..... 176 lbs.
Superior warranty: ..... (1 yr. parts/3 yrs. motor/6 mos. labor)

BSD **1694100246**



WBE 4230 PREMIUM DIGITAL DISPLAY WHEEL BALANCER

The WBE 4230 is a highly accurate machine capable of balancing a wide variety of wheels. This precision balancer comes with enhanced features for a faster cycle time, and quicker data entry.

Features

Enhanced 6 Second Cycle Time
- Balance more tires per day!

3D Automatic Data Entry (width, distance, and diameter)
- Faster setup time!

Includes High Performance 5 Cone Mounting Set
- 4 lower tapered cones for increased accuracy!
- Light truck spacer and cone included!

Includes Quick Mounting Nut
- Fast reliable installation!

Easyfix Auto-Locking Weight Placement Arm
- Eliminates user error for correct weight placement every time!
- Customizable manual override at 3, 6, or 12 o'clock positions based on user preference!

Extended Shaft
- Allows the use of flange plates to service a greater variety of wheels!

Weight Location Intuition
- Machine automatically figures out where you will be placing the weights

Multiple Balancing Programs and Weight Placement Options
- Sure to find an option to meet your needs!

Specifications

Rim width capacity: ..... 24"
Rim diameter capacity:..... 12"-30"
Max wheel diameter: ..... 47.25"
Max wheel weight: ..... 176 lbs.
Superior warranty: ..... (1 yr. parts/3 yrs. motor/6 mos. labor)

BSD **1694100245**

BSD **1699000919**



BOSCH WHEEL BALANCER ACCESSORIES

Item No.	Description
BSD **1699000919**	Complete flange kit with 4, 5, 6, and 8 lug plates with pins (As Shown)
BSD **SM606500**	Light truck centering kit with double sided cone and distance spacer (Not Illustrated))
BSD **F00E901297**	Ford/GM Centering Collet for light truck / heavy duty applications (Not Illustrated)
BSD **1699011583**	Precision low taper 7 cone set (1.65"-5.18") (Not Illustrated)

HOFMANN



GEODYNA™ 7850P WHEEL BALANCING SYSTEM

The Hofmann geodyna 7850p wheel balancing system is the ideal solution for high-volume workshops. With integrated lift - highly productive, intuitive, effortless and ergonomic.

Specifications

Measuring Speed: ..... < 200 RPM
Start/Stop Cycle Time (15" wheel): ..... 4.5 Seconds
Balancing accuracy: ..... 1g / 0.7°
Wheel diameter (Automatic Entry): ..... 14" - 26"
Maximum Wheel Width (Manual): ..... 1" - 20"
Maximum Wheel Width (Smart Sonar): ..... 3" - 15"
Maximum Tire Diameter: ..... 42"
Maximum Wheel Weight: ..... 154 lbs.
Dimensions (W x D x H): ..... 76.38" x 40.16" x 61.81"
Shipping Weight: ..... 300 lbs.
Power Requirements: 230V 1Ph 50/60Hz

HOF **EEWB754A**



GEODYNA™ 7600P WHEEL BALANCING SYSTEM

The Hofmann geodyna 7600 series of wheel balancing systems are designed for professional tire stores, car dealships and multi-bay repair shops.

Specifications

Shift Diameter: 40mm
Measuring Speed: ..... < 200 RPM
Balancing Accuracy: ..... 1g / 0.7°
Wheel Diameter (Manual Entry): ..... 8" - 32"
Wheel Diameter (Semi-Automatic Entry): ..... 8" - 25"
Wheel Width (Smart Sonar): ..... 3" - 15"
Maximum Wheel Width: ..... 20"
Maximum Tire Diameter: ..... 42"
Maximum Wheel & Tire Assembly Weight: ..... 154 lbs.
Dimensions (W x D x H): ..... 51.7" x 34.2" x 72.2"
Power Requirements ..... 115V 1Ph 50/60Hz & 230V 1Ph 50/60Hz

HOF **EEWB765AP**



GEODYNA™ 7500I WHEEL BALANCING SYSTEM

The Hofmann geodyna 7500 series of wheel balancing systems are designed for professional tire stores, car dealerships and mutli-bay repair shops.

Specifications

Shaft Diameter: 40mm
Measuring Speed: ..... < 200 RPM
Balancing Accuracy: ..... 1g / 0.7°
Rim Diameter - Manual Entry: ..... 8" - 30"
Rim diameter - Semi-Automatic Entry: ..... 8" - 25"
Rim Width - Smart Sonar: ..... 3" - 15"
Maximum Wheel Width: ..... 20"
Maximum Wheel Diameter: ..... 42"
Maximum Wheel & Tire Assembly Weight: ..... 154 lbs
Dimensions (W x D x H): ..... 51.7" x 34.2" x 72.2"
Shipping Weight: ..... 308 lbs.
Power Requirements: 230V 1Ph 50/60Hz

HOF **EEWB746AL**



GEODYNA 7500 SERIES WHEEL BALANCING SYSTEM

The Hofmann geodyna 7500 series of wheel balancing systems are designed for professional tire stores, car dealerships and mutli-bay repair shops.

HOF **EEWH746AL**

Specifications

Shaft Diameter: 40mm
Measuring Speed: ..... < 200 RPM
Balancing Accuracy: ..... 1g / 0.7°
Rim Diameter - Manual Entry: ..... 8" - 30"
Rim Diameter - Semi-Automatic Entry: ..... 8" - 25"
Rim width - Smart Sonar: ..... 3" - 15"
Maximum Wheel Width: ..... 20"
Maximum Wheel Diameter: ..... 42"
Maximum Wheel & Tire Assembly Weight: ..... 154 lbs. (70 kg.)
Dimensions (W x D x H): ..... 51.7" x 34.2" x 72.2"
Shipping Weight: ..... 308 lbs
Power Requirements: 230V 1Ph 50/60Hz

HOF **EEWH746AS** Wheel Balancing System with Sonar
HOF **EEWH746AL** Wheel Balancing System with Laser

HOFMANN®



GEODYNA 7400I WHEEL BALANCING SYSTEM

The Hofmann geodyna 7400I wheel balancing system is designed to satisfy high-throughput customers.

Specifications

Shaft Diameter: 40mm
Measuring Speed: ..... < 200 RPM
Balancing Accuracy: ..... 1g / 0.7°
Rim Diameter - Manual Entry: .....8" - 30"
Rim Diameter - Semi-Automatic Entry: .....8" - 32"
Rim width - Smart Sonar: .....3" - 20"
Maximum Wheel Width: ..... 20"
Maximum Wheel Diameter: ..... 32"
Maximum Wheel & Tire Assembly Weight: .....154 lbs. (70 kg.)
Dimensions (W x D x H): .....51.7" x 44.1" x 72.2"
Power Requirements: 115V 1Ph 50/60Hz 250W

HOF **EEWB764AL**



GEODYNA 7300S WHEEL BALANCING SYSTEM

The Hofmann geodyna 7300s wheel balancing system provides fast precision digital balancing covering a wide range of OEM and aftermarket tires.

Specifications

Shaft Diameter: 40mm
Measuring Speed: ..... < 200 RPM
Balancing Accuracy: ..... 1g / 0.7°
Rim Diameter - Manual Entry: .....8" - 32"
Rim Diameter - Semi-Automatic Entry: .....8" - 25"
Rim width - Smart Sonar: .....3" - 26"
Maximum Wheel Width: ..... 20"
Maximum Wheel Diameter: ..... 42"
Maximum Wheel & Tire Assembly Weight: .....154 lbs. (70 kg.)
Dimensions (W x D x H): .....51.7" x 34.2" x 72.2"
Power Requirements: 115V 1Ph 50/60Hz 250W

HOF **EEWB762AS**



GEODYNA™ 7200S WHEEL BALANCING SYSTEM

The Hofmann geodyna 7200s High Performance Wheel Balancing System is ideal for all shops - small footprint complimented by the video display provides high-end features in a compact design. In under ten seconds, the color display shows the location of any imbalance and identifies the optimal tape on or clip-on weight location. The fast spin cycle provides accurate measurement with minimum cycles for fast results.

Specifications

Shaft Diameter: .....40 mm
Measuring Speed: ..... 200 RPM
Measuring Time: ..... 6 Seconds
Balancing Accuracy: ..... 0.05 oz
Rim Diameter - Manual Entry: .....8" - 30"
Rim Diameter - Semi-automatic Entry: .....8" - 25"
Rim Diameter - Smart Sonar: .....3" - 15"
Max Wheel Width: ..... 20"
Max Wheel Diameter: ..... 42"
Max Wheel & Tire Assembly Weight: .....154 lbs
Dimensions (W x D x H): .....40" x 30" x 72"
Shipping Weight: ..... 300 lbs
Power Requirements : 115V 1Ph 50/60Hz

HOF **EEWB746AS**



GEODYNA™ 7100 WHEEL BALANCING SYSTEM

Specifications

Measuring Speed: ..... < 100 rpm
Balancing Accuracy: ..... 1g / 0.7°
Max Wheel & Tire Assembly Weight: 154lbs (69.9kg)
Maximum Wheel Width: .....20" (50.8cm)
Maximum Wheel Diameter: .....37.8" (96cm)
Shaft Diameter: 40mm
Shaft Length: .....8.86" (22.5cm)
Wheel Diameter Range: ..... 8" - 30" (20.32cm - 76.2cm)
Dimensions (W x D x H): .....43.3" x 39.6" x 67.4" (110 x 100.5 x 171.1cm)
Shipping Weight: .....155 lbs (70kg)
Power Requirements: 115V 1Ph 50/60Hz 120W

HOF **EEWB761A**

HOFMANN



GEODYNA™ 980L HEAVY-DUTY WHEEL BALANCER

- Pneumatic wheel lift - No heavy lifting!
- Wheel adapters for most applications
- Semi-Automatic Parameter Entry of wheel Distance and Diameter
- Self-calibration by operator ensures accuracy while saving costly service calls

Specifications

Maximum Wheel Assembly Width:	25"
Maximum Wheel Assembly Diameter:	50"
Maximum Wheel Assembly Weight:	500 lbs.
Wheel Diameter:	8" - 30"
Balancing Modes:	10
Cycle Time:	From 7 seconds
Read-Outs:	Gram or Ounce
Accuracy:	1g or 0.05 oz.
Dimensions (D x W x H):	54" x 55" x 76"
Shipping Weight:	600 lbs.
Power Requirements:	115V, 1Ph, 60Hz

HOF **EEWB710BW**



GEODYNA™ OPTIMA DIAGNOSTIC WHEEL BALANCER

- Automatic data entry of wheel distance, diameter, and width via imaging technology*
- Automatic wheel weight placement selection*
- Automatic spoke function counts and keeps track of spoke locations on the wheel
- Tread depth indication
- Automatic braking of wheel after measurement
- Wheel-only measurement
- WeightMiser™ and Weight Wizard* weight management software
- Power Clamp* feature easily and consistently clamps wheel into position and allows for quick installation and removal of wheel assembly

*** Patented and/or Patent-Pending Feature**

Specifications

Maximum Wheel Assembly Width:	21"
Maximum Wheel Assembly Diameter:	38"
Maximum Wheel Assembly Weight:	150 lbs.
Wheel Diameter:	8" - 30"
Shaft Diameter:	40mm
Dimensions (D x W x H):	54" x 48" x 68"
Shipping Weight:	400 lbs.
Power Requirements:	230V, 1Ph, 60Hz

HOF **EEWB716C**

GEODYNA™ 2300M MOTORCYCLE WHEEL BALANCING SYSTEM

- Automatic operation, push-button start, automatic brake
- One-plane (static) or two-plane (dynamic) balancing
- Self-calibration by shop personnel eliminates downtime and costly service calls

Specifications

Maximum Wheel Assembly Width:	21"
Maximum Wheel Assembly Diameter:	48"
Maximum Wheel Assembly Weight:	70 lbs.
Wheel Diameter:	8" - 30"
Shaft Diameter:	14mm
Measuring Speed:	100 rpm
Balancing Modes:	2
Read-Outs:	Gram or Ounce
Cycle Time:	From 6 seconds
Accuracy:	1g or 0.05 oz.
Shipping Weight:	280 lbs.
Power Requirements:	120V, 1Ph, 60Hz

HOF **EEWB700CM**



WHEEL WEIGHTS

THE MOST COMPLETE LINE IN THE BUSINESS

NAPA® has the right wheel weight for every vehicle, whether it's new or old, domestic or import, passenger car or light truck. The most trusted wheel weight line is also the most comprehensive.

OE Coated Wheel Weight Application Matrix

Weight Style	ALC	MC	FN	TTC	LH	IW	EN
Vehicle Make							
Acura							
Audi							
BMW							
Chrysler							
Daewoo							
Ford							
GM							
Honda							
Hyundai							
Infiniti							
Isuzu							
Jaguar							
Kia							
Land Rover							
Lexus							
Mazda							
Mercedes							
Mitsubishi							
Nissan							
Saab							
Subaru							
Suzuki							
Toyota							
Volvo							
VW							



NWW **202075**

METAL FLOOR RACK

All-metal floor rack includes dividers for increased flexibility while accommodating a minimum of 64 weight locations. Channel cards make finding proper weight fast and easy. All Vehicle Kits include 8 clip-on weight styles to cover most alloy steel wheels. Plus, color-coded application chart, rim gauge, Tape-A-Weight scraper, and premium hammer.

NWW **202075** Metal Floor Rack with Coated Steel Assortment Kit
NWW **201275** Metal Floor Rack with Coated Lead Assortment Kit



NWW **202125 Shown**
***** *NWW* **201125 Varies Slightly**

BENCH TOP RACK

Louvered rack can be placed on top of any work bench. Holds up to 32 plastic bins. Assortment has 5 clip-on coated weight styles, rim gauge, installation tool, plus color-coded application header card and guides.

NWW **202125** Bench Top Rack with Coated Steel Weight Assortment
NWW **201125** Bench Top Rack with Coated Lead Weight Assortment

NWW **200001**



RIM PROFILE GAUGE

The NAPA® rim gauge takes the guesswork out of making the right weight choice every time. If an aftermarket wheel has been installed, simply fit the color-coded rim gauge to the flange to find the correct weight style to use.

Item No.	Description
NWW **200001**	Passenger Car & Light Truck Rim Gauge
NWW **201047FE**	Passenger Car & Light Truck Application Chart
NWW **200008**	Truck Weight Gauge

Lead weights are restricted by law in some states/regions. Check with your NAPA Store for availability.
See www.steelwheelweights.com for current legislation.

WHEEL WEIGHTS

WHEEL WEIGHTS: PASSENGER CARS & LIGHT TRUCKS

PASSENGER CARS & LIGHT TRUCKS
.25 to 3 oz.

Thinline-T Lead	Thinline-TC Coated Lead	PFE Coated Steel	Oz
NWW T025	NWW TC025	NWW PFE025	.25
NWW T050	NWW TC050	NWW PFE050	.50
NWW T075	NWW TC075	NWW PFE075	.75
NWW T100	NWW TC100	NWW PFE100	1.00
NWW T125	NWW TC125	NWW PFE125	1.25
NWW T150	NWW TC150	NWW PFE150	1.50
NWW T175	NWW TC175	NWW PFE175	1.75
NWW T200	NWW TC200	NWW PFE200	2.00
NWW T225	NWW TC225	NWW PFE225	2.25
NWW T250	NWW TC250	NWW PFE250	2.50
NWW T275	NWW TC275	NWW PFE275	2.75
NWW T300	NWW TC300	NWW PFE300	3.00

DOMESTIC LIGHT TRUCKS
(GM, Ford, & Chrysler) .25 to 3 oz.

TTC Coated Lead	TFE Coated Steel	Oz.
NWW TTC025	NWW TFE025	.25
NWW TTC050	NWW TFE050	.50
NWW TTC075	NWW TFE075	.75
NWW TTC100	NWW TFE100	1.00
NWW TTC125	NWW TFE125	1.25
NWW TTC150	NWW TFE150	1.50
NWW TTC175	NWW TFE175	1.75
NWW TTC200	NWW TFE200	2.00
NWW TTC225	NWW TFE225	2.25
NWW TTC250	NWW TFE250	2.50
NWW TTC275	NWW TFE275	2.75
NWW TTC300	NWW TFE300	3.00

DOMESTIC PASSENGER CARS & LIGHT TRUCKS
(GM, Ford & Chrysler).25 to 3 oz.

ALMC Uncoated Lead	ALCMC Coated Lead	MCFE Coated Lead	Oz.
NWW ALMC025	NWW ALCMC025	NWW MCFE025	.25
NWW ALMC050	NWW ALCMC050	NWW MCFE050	.50
NWW ALMC075	NWW ALCMC075	NWW MCFE075	.75
NWW ALMC100	NWW ALCMC100	NWW MCFE100	1.00
NWW ALMC125	NWW ALCMC125	NWW MCFE125	1.25
NWW ALMC150	NWW ALCMC150	NWW MCFE150	1.50
NWW ALMC175	NWW ALCMC175	NWW MCFE175	1.75
NWW ALMC200	NWW ALCMC200	NWW MCFE200	2.00
NWW ALMC225	NWW ALCMC225	NWW MCFE225	2.25
NWW ALMC250	NWW ALCMC250	NWW MCFE250	2.50
NWW ALMC275	NWW ALCMC275	NWW MCFE275	2.75
NWW ALMC300	NWW ALCMC300	NWW MCFE300	3.00

JAPANESE PASSENGER CARS & LIGHT TRUCKS
10g to 60g.

ALCFN Coated Lead	FNFE Coated Steel	Gr.
NWW ALCFN10	NWW FNFE10	10
NWW ALCFN15	NWW FNFE15	15
NWW ALCFN20	NWW FNFE20	20
NWW ALCFN25	NWW FNFE25	25
NWW ALCFN30	NWW FNFE30	30
NWW ALCFN35	NWW FNFE35	35
NWW ALCFN40	NWW FNFE40	40
NWW ALCFN45	NWW FNFE45	45
NWW ALCFN50	NWW FNFE50	50
NWW ALCFN55	NWW FNFE55	55
NWW ALCFN60	NWW FNFE60	60

DOMESTIC PASSENGER CARS & LIGHT TRUCKS
(GM, Ford & Chrysler) .25 to 3 oz.

AL Lead	ALC® Coated Lead	ALFE Coated Steel	Oz.
NWW AL025	NWW ALC025	NWW ALFE025	.25
NWW AL050	NWW ALC050	NWW ALFE050	.50
NWW AL075	NWW ALC075	NWW ALFE075	.75
NWW AL100	NWW ALC100	NWW ALFE100	1.00
NWW AL125	NWW ALC125	NWW ALFE125	1.25
NWW AL150	NWW ALC150	NWW ALFE150	1.50
NWW AL175	NWW ALC175	NWW ALFE175	1.75
NWW AL200	NWW ALC200	NWW ALFE200	2.00
NWW AL225	NWW ALC225	NWW ALFE225	2.25
NWW AL250	NWW ALC250	NWW ALFE250	2.50
NWW AL275	NWW ALC275	NWW ALFE275	2.75
NWW AL300	NWW ALC300	NWW ALFE300	3.00

JAPANESE & EUROPEAN PASSENGER CARS & LIGHT TRUCKS
10g to 60g.

ALCIW Coated Lead	IWFE Coated Steel	Gr.
NWW ALCIW10	NWW IWFE10	10
NWW ALCIW15	NWW IWFE15	15
NWW ALCIW20	NWW IWFE20	20
NWW ALCIW25	NWW IWFE25	25
NWW ALCIW30	NWW IWFE30	30
NWW ALCIW35	NWW IWFE35	35
NWW ALCIW40	NWW IWFE40	40
NWW ALCIW45	NWW IWFE45	45
NWW ALCIW50	NWW IWFE50	50
NWW ALCIW55	NWW IWFE55	55
NWW ALCIW60	NWW IWFE60	60

Lead weights are restricted by law in some states/regions. Check with your NAPA Store for availability.
See www.steelwheelweights.com for current legislation.

WHEEL WEIGHTS: PASSENGER CARS & LIGHT TRUCKS

CHRYSLER

.25 to 3 oz.

ALCLH Coated Lead	LHFE Coated Steel	Oz.
NWW ALCLH025	NWW LHFE025	.25
NWW ALCLH050	NWW LHFE050	.50
NWW ALCLH075	NWW LHFE075	.75
NWW ALCLH100	NWW LHFE100	1.00
NWW ALCLH125	NWW LHFE125	1.25
NWW ALCLH150	NWW LHFE150	1.50
NWW ALCLH175	NWW LHFE175	1.75
NWW ALCLH200	NWW LHFE200	2.00
NWW ALCLH225	NWW LHFE225	2.25
NWW ALCLH250	NWW LHFE250	2.50
NWW ALCLH275	NWW LHFE275	2.75
NWW ALCLH300	NWW LHFE300	3.00

EUROPEAN PASSENGER CARS & LIGHT TRUCKS

10g to 60g.

ALCEN Coated Lead	ENFE Coated Steel	Gr.
NWW ALCEN10	NWW ENFE10	10
NWW ALCEN15	NWW ENFE15	15
NWW ALCEN20	NWW ENFE20	20
NWW ALCEN25	NWW ENFE25	25
NWW ALCEN30	NWW ENFE30	30
NWW ALCEN35	NWW ENFE35	35
NWW ALCEN40	NWW ENFE40	40
NWW ALCEN45	NWW ENFE45	45
NWW ALCEN50	NWW ENFE50	50
NWW ALCEN55	NWW ENFE55	55
NWW ALCEN60	NWW ENFE60	60

TRUCKS & RVS

Used on both open side (inside flange) and disc side (lug nut-side flange) for ALCOA and Firestone aluminum truck wheels. 5 sizes: 2 to 8 oz.

BTCAL Lead	BTCALFE Coated Steel	Oz.
NWW BTCAL200	NWW BTCALFE200	2.00
NWW BTCAL300	NWW BTCALFE300	3.00
NWW BTCAL400	NWW BTCALFE400	4.00
NWW BTCAL600	NWW BTCALFE600	6.00
NWW BTCAL800	NWW BTCALFE800	8.00

TRUCKS & RVS

Budd DUO 16" x 5.50" split-ring wheels, RVs, 3/4-and 1-ton trucks with thick flange wheels that prohibit use of BTS weights. 6 sizes: 2 to 8 oz.

BTsT Lead	Oz.
NWW BTST200	2.00
NWW BTST300	3.00
NWW BTST400	4.00
NWW BTST600	6.00
NWW BTST800	8.00

WHEEL WEIGHTS: TRUCKS & RVS

TRUCKS & RVS

All 3/4-and 1-ton trucks with 13", 15", and 16" two-piece rims; 16.5" x 6.00", 6.75", 8.25", and 9.75" tubeless wheels. 10 sizes: .50 to 6 oz.

BTS Lead	BTSFE Coated Steel	Oz
NWW BTS050	NWW BTSFE050	.50
NWW BTS100	NWW BTSFE100	1.00
NWW BTS150	NWW BTSFE150	1.50
NWW BTS200	NWW BTSFE200	2.00
NWW BTS250	NWW BTSFE250	2.50
NWW BTS300	NWW BTSFE300	3.00
NWW BTS350	NWW BTSFE350	3.50
NWW BTS400	NWW BTSFE400	4.00
NWW BTS500	NWW BTSFE500	5.00
NWW BTS600	NWW BTSFE600	6.00

TRUCKS & RVS

Used on "section" type, straight flange, tubeless wheels' Goodyear Super Single; Budd 7.50" and 8.25" wheels with Firestone or Goodyear discs. 9 sizes: 2 to 16 oz

BTLT Lead	Oz.
NWW BTLT200	2.00
NWW BTLT300	3.00
NWW BTLT400	4.00
NWW BTLT600	6.00
NWW BTLT800	8.00
NWW BTLT1000	10.00
NWW BTLT1200	12.00
NWW BTLT1400	14.00
NWW BTLT1600	16.00

TRUCKS & RVS

1 1/2 - to 2-ton medium-duty trucks and buses with tube type wheels; Firestone wheels R, DT, and LB; Goodyear wheels L, LW, and M. 5 sizes: 2 to 8 oz.

BTLM Lead	BTLMFE Coated Steel	Oz
NWW BTLM200	NWW BTLMFE200	2.00
NWW BTLM300	NWW BTLMFE300	3.00
NWW BTLM400	NWW BTLMFE400	4.00
NWW BTLM600	NWW BTLMFE600	6.00
NWW BTLM800	NWW BTLM-FE800	8.00
NWW BTLM1000	NWW BTLMFE1000	10.00
NWW BTLM1200	NWW BTLMFE1200	12.00
NWW BTLM1400	NWW BTLMFE1400	14.00
NWW BTLM1600	NWW BTLMFE1600	16.00

TRUCKS & RVS

Tubeless curved flange truck wheels like Firestone Radial Commander, Budd, Firestone, Goodyear strip-steel wheels. 8 sizes: 2 to 14 oz.

BTrc Lead	Oz.
NWW BTRC200	2.00
NWW BTRC300	3.00
NWW BTRC400	4.00
NWW BTRC600	6.00
NWW BTRC800	8.00
NWW BTRC1000	10.00
NWW BTRC1200	12.00
NWW BTRC1400	14.00

Lead weights are restricted by law in some states/regions. Check with your NAPA Store for availability. See www.steelwheelweights.com for current legislation.

WHEEL WEIGHTS

LEAD

TAPE-A-WEIGHTS™
Tape-A-Weights™ balance "softline" wheels that do not accept traditional weights. Tape-A-Weights™ enhance the look of any wheel with out-of-sight mounting. Tape-A-Weights™ speed up the balancing process and are available in break-a-way strips, which eliminate cutting and pre-contouring while reducing waste. Plus Tape-On-Top Models keep the weights rigid for easy placement.

LOW-PROFILE LEAD WEIGHTS
Low-profile lead strips.



NWW **7026**

NWW **7026** .25 oz. Low Pro, Lead, Uncoated, 576 segs
NWW **7126** .25 oz. Low Pro Bulk, Lead, Uncoated, 4176 segs

STANDARD PROFILE LEAD



NWW **7025**

NWW **7025** .25 oz. Lead, Standard Profile, Uncoated, 15 pieces, .25 oz. segs., ½" x 12", 360 segments
NWW **7125** .25 oz. Lead, Standard Profile, Uncoated, 30 pieces, .25 oz. segs., ½" x 12", 720 segments

TRUCK & SUV LEAD WEIGHTS
Lead, no tape-on-top, uncoated, 16 strips/box, .50 oz. increments, 384 .50 oz. segs/box. Strip Width: ¾". Depth: ¼". Length: 12".



NWW **7127**

NWW **7127** .50 oz. Lead, Uncoated, 384 segs

CUT-A-WAY 3/4 IN. WIDTH STANDARD PROFILE



NWW **600** 1 oz. Lead, no tape on top
NWW **1200** 2 oz. Lead, no tape on top

STEEL

LOW PROFILE DUAL TAB SPEED STRIP™
A proven design, introduced in Europe years ago,
Makes the 7425 series faster than ever to install. 3 oz. strip, 4 box/case, 12 strips/box, Strip width: ⅞". Depth: ⅛". Length: 6".



NWW **7425FE** .25 oz. Steel, No Tape-On-Top



NWW **7026FET**



NWW **7026FEB**



NWW **7026FEW**

LOW-PROFILE, STANDARD-LENGTH SEGMENT STEEL WEIGHTS WITH TAPE-ON-TOP
Low profile, premium tape, 2 oz./strip, 30 strips/box, 4 boxes/case. Strip Width: ¾". Depth: ⅛". Length: 5".

NWW **7026FET** .25 oz. Steel, Tape-On-Top, Polycoated 240 segs
NWW **7026FEB** .25 oz. Steel, Tape-On-Top, Black Polycoat, 240 segs
NWW **7026FEW** .25 oz. Steel, Tape-On-Top, White Polycoat, 240 segs

STANDARD-PROFILE STEEL WITHOUT TAPE-ON-TOP
No tape-on-top, economy coated, standard profile, premium tape 3 oz./strip, 16 strips/box, 6 boxes/case, 192 seg/box. Strip Width: ¾". Depth: ¼". Length: 4.5".



NWW **7024FE**

NWW **7024FE** .25 oz. Steel, Value

BULK STEEL

LOW PROFILE DUAL TAB SPEED STRIP™
A proven design, introduced in Europe years ago, Makes the 7425 series faster than ever to install. 350 seg/roll. Width: ⅞". Depth: ⅛".



NWW **7425FEMR** .25 oz. Steel, No Tape-On-Top

POLY-COATED

LOW-PROFILE POLY-COATED SPEED STRIP™ WHEEL WEIGHTS
Low-profile design addresses the need for balancing "soft line" wheels that do not accept traditional clip-on weights.



NWW **7525FE**



NWW **7550FE**



NWW **75100FE**

Item No.	Strip Segment Weight	No. Segments	Strip Weight	Strips / Box	Box / Case
NWW **7525FE**	.25 oz.	12	3 oz.	40	4
NWW **7550FE**	.50 oz.	10	5 oz.	24	4
NWW **75100FE**	1 oz.	7	7 oz.	16	4

Item No.	Description
NWW **7525FER5**	5lb. Roll, .25 oz. segment, Bulk Roll
NWW **7525FER10**	10lb. Roll, .25 oz. segment, Bulk Roll
NWW **7525FER20**	20lb. Roll, .25 oz. segment, Bulk Roll
NWW **7550FER5**	5lb. Roll, .50 oz. segment, Bulk Roll
NWW **7550FER10**	10lb. Roll, .50 oz. segment, Bulk Roll
NWW **7550FER20**	20lb. Roll, .50 oz. segment, Bulk Roll



LOW-PROFILE MAGNI-COATED STRIPS
Low-profile, economy coated with no tape-on-top.

Item No.	Strip Segment Weight	No. Segments	Strip Weight	Strips / Box	Box / Case
NWW **7325FE**	.25 oz.	12	3 oz.	25	4

Item No.	Description
NWW **7325FER5**	5lb. Roll, Bulk Roll
NWW **7325FER10**	10lb. Roll, Bulk Roll
NWW **7325FER20**	20lb. Roll, Bulk Roll



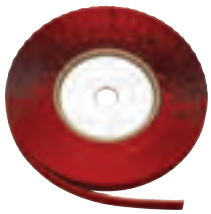
BADA STEEL TAPE-A-WEIGHT™ ROLL STAND
NWW **5310025**

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3M™ WHEEL WEIGHT SYSTEM

Flexible, Secure and Precise Balancing

The 3M™ Wheel Weight System combines conformable wheel balancing material and industry-leading 3M™ Automotive Attachment Tape to provide an all-in-one, securely attached wheel weight balancing system. Designed to have less impact on the environment than the industry-standard lead wheel weights, the 3M Wheel Weight System is a proprietary product with unique properties built to meet our customers' ever-increasing needs for lead-free, quality products.



3M™ WHEEL WEIGHT 7MM X 15MM, HIGHER PROFILE

MMM **61403** 12 lb. Roll

3M™ WHEEL WEIGHT 4MM X 23MM, LOWER PROFILE

MMM **61405** 20 lb. Roll

3M™ WHEEL WEIGHT 6MM X 20MM, MEDIUM PROFILE

MMM **55409** Grey, 17.5 lbs. Roll
MMM **55428** Black, 17.5 lbs. Roll

3M™ WHEEL WEIGHT 6MM X 29MM, LARGER PROFILE

MMM **99473** 20 lb. Roll



The 3M™ Wheel Weight System is provided on a flexible roll making it easy to dispense, cut and apply.



3M™ STARTER KIT

Item No.	Contains
MMM **99100**	5 lb roll of *MMM* **61403**, *MMM* **61458**, *MMM* **61479**, *MMM* **61480**, *MMM* **99099**
MMM **99101**	5 lb roll of *MMM* **61405**, *MMM* **61458**, *MMM* **61479**, *MMM* **61480**, *MMM* **99099**



3M™ MECHANICAL REPLACEMENT WEIGHT 7 MM X 14, MECHANICAL REPLACEMENT PROFILE

MMM **99427** 10 lb Roll

3M™ WHEEL WEIGHT UNIVERSAL CUTTING TOOL

3M™ Wheel Weight Universal Cutting Tool is used to easily cut 3M™ Wheel Weights to exact length. Easy to read scale determines exact weight in gram or ¼ oz increments. 3 replacement blades included in the handle.

MMM **61479**



3M™ REPLACEMENT RULERS

Not Illustrated

Item No.	Measures	Unit
MMM **55404**	*MMM* **99473**	25 per box
MMM **55418**	*MMM* **55409**	25 per box
MMM **61565**	*MMM* **61403**	25 per box
MMM **99431**	*MMM* **61405** and *MMM* **99427**	25 per box

3M™ WHEEL WEIGHT CUTTING STAND

The 3M™ Cutting Stand is designed for secure mounting to shop work area floors and adjusts in height for convenient placement within the customer's work area. The holding tray for the self-dispensing package rotates 180 degrees to accommodate space and positioning of the stand.

MMM **61480**



3M™ DUAL CUTTER BRACKET KIT

3M™ Dual Cutter Bracket allows the 3M™ Cutting Stand to hold two of the 3M™ Universal Cutting Tools, which are used for the precise cutting of the 3M™ Wheel Weight products to the desired length and weight increment.

MMM **99429** 20 lb Roll



3M™ DUAL BOX HOLDER KIT

3M™ Dual Box Holder Kit allows the 3M™ Cutting Stand to hold two boxes of 3M™ Wheel Weights.

MMM **99428**





3M™ CUTTING TOOL REPLACEMENT KIT
Includes 3 blades and 1 anvil.
MMM **61592**



3M™ WHEEL WEIGHT REMOVAL TOOL
MMM **99099** 25 per box



3M™ WHEEL WEIGHT SURFACE PREP 2000
A self-contained cleaning system in a spray bottle with a cleaning pad. Used to remove grease, oil, dirt, brake dust and tape residue to prepare the wheel surface for applying taped wheel weights. Improves wheel weight adhesion. Compatible with steel and aluminum surfaces. 16 Oz. spray bottle
MMM **55453**

H.D. WHEEL WEIGHT HAMMER
Designed for installing and removing clip-on style wheel weights on light to heavy-duty trucks. Ideal for 16" to 24.5" dia. wheels. 28 oz. cast steel head with anti-marring replaceable hammer face is safe for use on steel, aluminum and chrome. Replaceable chromoly steel hook removes all clip on wheel weights - lead, zinc and steel - no modification needed to fit smaller weights. Fiberglass handle with ergonomic grip is chemical resistant and 4x stronger than wood. 34% larger striking area than typical wheel weight hammers! Length: 12" (30.5 cm). Weight: 3 lbs.



SPC **35359** Wheel Weight Hammer
SPC **35361** Wheel Weight Hammer Refurbish Kit



WHEEL BALANCING BEADS
- Balances for the complete life of the tire.
- Adjusts to the balanced position as required.
- Beads balance the complete wheel assembly in all wheel positions on both truck and trailer.
- Environmentally friendly, lead free alternative!
- Internal balancing system and therefore is invisible.
- Does not have to go through a vibration and eventual balancing after every stop.
- Protected, inside the tire, from road hazard damages.
- Silicon coated tempered glass beads will not break down and are completely reusable
- Beads prolong tire life, reducing the need to use as many tires.



Item No.	Description
BK **704-1440**	4 oz.
BK **704-1441**	5 oz.
BK **704-1442**	6 oz.
BK **704-1443**	8 oz.

Item No.	Description
BK **704-1444**	10 oz.
BK **704-1445**	12 oz.
BK **704-1446**	14 oz.
BK **704-1447**	16 oz.


Challenger Lifts
NAPA
BRAKE SERVICE

TIRE SERVICE

Air Buffers & Accessories 749-750
Air Hose Ferrules & Splicers 733
Air Hose Fittings 733
Air Hoses & Reels 730-732
Air Line Chucks 724-725
Air Line Inflator Gauges 722-723
Air Tanks 734
Blow Guns 726-729
Couplers & Plugs 734-737
Hose Crimpers 732-733
Portable Air Pumps 751
Tire Inflation System 750
Tire Marking 748-749
Tire Pressure Gauges 720-722
Tire Repair 738-748
Tire Valve Caps 716-717
Tire Valve Cores 717
Tire Valve Extensions 717-718
Tire Valve Tools 718-719
Tire Valves 712-716
TPMS (Tire Pressure Monitoring Systems)
- Activation & Diagnostic Tools 694-696
- Sensors 697-710
- Tools 710-712

Bartec USA

TECH400SD TPMS ACTIVATION SCAN TOOL WITH OBD



Features large, easy to read display and decodes and displays critical sensor data including sensor ID, PSI, battery state and temperature. Easily download data in audit mode and print data from PC or laptop.

- Programs Aftermarket Sensors including Echlin®
- Test Before You Touch
- Relearn thru OBDII
- Includes the TPMS Desktop

Item No.	Description
BK **92-1538**	TECH400SD TPMS Activation Scan Tool with OBD
BK **92-1539**	1-Year Software Update License Certificate for *BK* **92-1538**
BK **92-1540**	2-Year Software Update License Certificate for *BK* **92-1538**
BK **92-1541**	3-Year Software Update License Certificate for *BK* **92-1538**

TECH200 TPMS ACTIVATION TOOL



TPMS activation tool with extras. Revolutionary tool has wireless Bluetooth capability. Quickly and easily tests TPMS sensors and then wirelessly sends the data to your PC or Bluetooth printer. Perfect choice for the total TPMS process. Testing before you touch is the best way to keep from inheriting existing TPMS problems. Features comprehensive TPMS coverage, wireless capability using Bluetooth, make-year-model menu, lightweight ergonomic design, clearly arranged 3-button key pad, rechargeable battery, and USB port. Activates and reads all known OE TPM sensors. Includes the TPMS desktop.

BK **92-1542**

PREMIUM TPMS DIAGNOSTIC & SERVICE TOOL



Wireless TPMS service with improved hardware performance, more on-board DTC information, new easier to use menu flow, ergonomic enclosure, latest sensor coverage, comprehensive wireless audit report, WLAN and Bluetooth wireless communications. Extensive OBD coverage, including GM and Ford. Easy to operate single-handedly. More intuitive operation—anyone in the shop can operate this tool. Features inductive recharging, 3-step OBD relearn process, make-year-model lookup, large display and keypad. Remote keyless entry (RKE) testing, test key fob for function in the event the key fob is part of relearn, audit report, TPMS service record retention, removable SD card slot, OLED 2.37" x 1.5" screen, lithium ion rechargeable battery.

- Programs Aftermarket Sensors including Echlin®
- Test Before You Touch
- Relearn thru OBDII
- Includes the TPMS Desktop

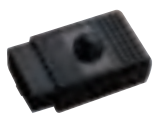
BK **92-1543**

TECH400 SERIES TIRE PRESSURE MONITORING SYSTEM TOOL SOFTWARE UPDATE LICENSE



Item No.	Description
BK **396-5140**	1 year Bartec tool software renewal and 1 year hub subscription.
BK **396-5141**	2 Year Bartec tool software renewal and 1 year hub subscription.
BK **396-5142**	3 year Bartec tool software renewal and 1 year hub subscription.

TPMS RESET TOOL



Resets the TPMS warning light when stuck in loop. Tool plugs into OBDII connection. No pin jumping required.

BK **92-1530**



BK **396-5138**

REPLACEMENT PARTS FOR TECH300SD TIRE PRESSURE MONITORING SYSTEM TOOL

Item No.	Description
BK **396-5135**	OBD2 Connector
BK **396-5136**	OBD2 Cable
BK **396-5137**	9 Volt DC Rechargeable Battery
BK **396-5138**	Power Supply
BK **396-5139**	Universal USB Cable



TIRE PRESSURE MONITORING SYSTEM INFORMATION KIT

The TPMS consumer kit educates your technicians and customers on what is TPMS. The kit includes a counter mat, mouse pad, TPMS handbook, poster, banner, custom display stand, 'How TPMS works' trifold and 'What consumers should know' trifold.

BK **396-5133**



TIRE PRESSURE MONITORING SYSTEM GUIDE
The TIA guide provides TPMS procedures, specifications, sensor information and reference data for import and domestic vehicles.
BK **396-5134**



TPMS DEALER KIT MERCHANDISING ASSORTMENT
TPMS Dealer Kit is available exclusively through NAPA only.
BK **92-9018**



TIRE PRESSURE MONITORING SYSTEM RESET TOOL MASTER KIT
Works on all known TPMS sensors through 2009. Features a bright graphics display and simple navigation buttons, enabling vehicle selection for fast activation. Automatically adjusts output power to eliminate cross-activation of sensors. Easily updated with a wireless connection to Genisys scan tool. Master kit includes handheld TPR, DB25 wireless adapter, activation magnet, valve stem and nut torque wrenches, digital tire pressure gauge, 12mm socket, torque tool, registration card, TPR/Genisys interface manual, TPMS poster and carry case.
BK **700-6111**



TIRE PRESSURE MONITORING SYSTEM RESET TOOL
Works on all known TPMS sensors through 2009. Features a bright graphics display and simple navigation buttons, enabling vehicle selection for fast activation. Automatically adjusts output power to eliminate cross-activation of sensors. Easily updated with a wireless connection to Genisys scan tool. Includes handheld TPR, DB25 wireless adapter, registration card, TPR/Genisys interface manual and carry case.
BK **700-6110**



TIRE PRESSURE MONITORING SYSTEM RESET TOOL WITH EZ-SENSOR™ PROGRAMMING
EZ-sensor™ PROGRAMMABLE TPMS is the first Programmable Tire Pressure Monitoring Sensor which has been designed with the goal of replacing 90% of the TPMS sensors currently stocked by the dealer.
- Fast simple programming using OTC TPR Tool
- Eliminates the need to perform relearn procedures when replacing sensors
- No scan tool required for programming
- Will replace over 90% of current TPMS sensors
- Save money & fit the right part
- Fast simple assembly to the wheel rim

Kit includes TPR Handheld, DB25 wireless adapter, EZ-sensor™ programming cradle, EZ-sensor™ User guide, Quick Start Guide, USB cable, EZ-sensor™ Application chart, EZ-sensor™ Training Video, Software Activation Certificate and Six months of updates at www.tpmsupdates.com.
BK **700-2265**

EZ-SENSOR™ PROGRAMMABLE TPMS UPDATE KIT
EZ-sensor™ PROGRAMMABLE TPMS is the first Programmable Tire Pressure Monitoring Sensor which has been designed with the goal of replacing 90% of the TPMS sensors currently stocked by the dealer.
- Fast simple programming using OTC TPR Tool
- Eliminates the need to perform relearn procedures when replacing sensors
- No scan tool required for programming
- Will replace over 90% of current TPMS sensors
- Save money & fit the right part
- Fast simple assembly to the wheel rim



Includes EZ-sensor™ programming cradle, EZ-sensor™ User Guide, Quick Start Guide, USB cable, EZ-sensor™ Application chart, EZ-sensor™ Training Video, Software Activation Certificate, Six months of updates at www.tpmsupdates.com. (Note: For existing TPR owners.)
BK **700-2266**



TPMS RELEARN AND SCAN TOOL KIT

- Performs TPMS sensor relearn process on all import and domestic vehicles
- Displays complete sensor information including: tire pressure, tire temperature, broadcast frequency, battery status, sensor ID and tire location
- Includes trigger magnet for activating sensors that require magnetic wake-up
- Easily updateable through a USB-equipped PC with internet access or by our micro SD card option
- Detects radio frequency interference
- The only information required to operate this tool is vehicle make, year and model
- Reads and displays TPMS Diagnostic Trouble Codes (DTC) for Asian vehicles
- Works with NAPA® Echlin® OE-Design and Qwik Sensor™ Multi-Coverage Programmable TPMS Sensors
- Tests key fobs

ECH **92-1531**

TPMS TOOL CHARGER



- Replacement charger for TPMS programming tool *ECH* **92-1531**
- Save your battery power while charging the battery
- Compatible with Ni-Cd Ni-Mh & Li-Ion batteries

ECH **92-1531AC**

MITSUBISHI RESET TOOL



- Use in conjunction with TPMS programming tool *ECH* **92-1531**
- Enables Mitsubishi Lancer, Outlander and Mirage TPMS learn mode.
- Fully updateable via computer.
- Compatible with all TPMS trigger tools capable of triggering Mitsubishi sensors.
- One touch TPMS re-learn module

ECH **92-1531MT**

OBD2 CONNECTOR



- Replacement OBD for TPMS programming tool *ECH* **92-1531**
- Universal OBD connector which interfaces with the vehicle's ECU.
- For the vehicles requiring an OBDII relearn.
- Allows direct relearns on most Asian vehicles.

ECH **92-15310BD2**



TPMS ACCESSORY KIT ASSORTMENT

Take the pressure out of choosing the right TPMS Service Kit. Assortment includes valve stem rebuild kits, nickel-plated valve cores, valve caps and valve core torque tool for the most popular domestic and imports.

ECH **92-1402**

Contents

Item No.	Qty.	Description	Applications
ECH **92-0150**	10	TPMS Service Kit	Chrysler, GM, Imports
ECH **92-0115**	10	TPMS Service Kit	Ford, Lincoln, Mercury
ECH **92-0125**	10	TPMS Service Kit	Buick, Cadillac, Chevrolet, GMC, Saturn
ECH **92-0140**	10	TPMS Service Kit	GM, Chrysler, Imports
ECH **92-0215**	10	TPMS Service Kit	Acura, Honda,Hyundai, Isuzu, Lexus, Toyota
ECH **92-0135**	10	TPMS Service Kit	Chevrolet, GMC, Hummer, Kia, Lexus, Toyota
ECH **92-0130**	10	TPMS Service Kit	Infiniti, Mitsubishi, Nissan
ECH **92-0210**	10	TPMS Service Kit	Chrysler, Imports
ECH **92-0165**	5	TPMS Service Kit	Acura, Dodge, Honda, Hyundai, Kia
ECH **92-0145**	10	TPMS Valve	Ford, GM, Saturn, Suzuki
ECH **92-0146**	10	TPMS Valve	Ford, Chrysler
ECH **90-994**	100	TPMS Caps	Long Black Plastic Valve Cap - Universal
ECH **90-993**	100	TPMS Caps	Gray Plastic Valve Cap
ECH **90-1021**	100	Valve Cores	Electroless Nickel Plated Valve Core
ECH **TPM9001**	1	Valve Core Tool	—

TPMS SERVICE TOOL KIT



- This high-quality TPMS Service Tool Kit contains all the tools necessary to manage your TPMS service.
  - ¼" Torque wrench 30-150 in/lbs
  - ¼" Torque screwdriver
  - Valve core torque tool
  - Rugged tool case

ECH **92-9000**

NAPA® ECHLIN® QWIK SENSOR™ MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS

The NAPA® Echlin® QWIK Sensor™ Multi-Coverage Programmable TPMS Sensor line includes 3 sensors in metal (A suffix) and 2 in rubber (R suffix) factory installed valve configurations; TPMS service kits, replacement valves, mounting hardware and the right TPMS shop tools.

NAPA® Echlin® Multi-Coverage TPMS Sensor is complemented by a complete NAPA® Echlin® 'OE-matching Clone-able ready-to-install right out of the box' program

Programming is easy with new NAPA® Echlin® QWIK Sensor™ Multi-Coverage Programmable TPMS Sensor

1. Place the new NAPA® Echlin® Multi-Coverage Programmable TPMS Sensor in front of the antenna of any tool with QWIK Sensor™ software
2. Activate the NAPA® Echlin® Multi-Coverage Programmable TPMS Sensor
3. Once the sensor is programmed you can follow the original OE relearn procedure OR you can choose to clone the old ID number.



ECH **92-4001R**
Rubber valve stem
Domestic & Asian



ECH **92-4002R**
Rubber valve stem
European



ECH **92-4001A**
Metal valve stem
Domestic & Asian



ECH **92-4002A**
Metal valve stem
European



ECH **92-4003A**
Metal valve stem
Asian

DOMESTIC & ASIAN 315 MHz

EUROPEAN 433 MHz

ASIAN 315 MHz



Style A



Style B



Style C



Style D/E



Style F



Style G/H



Style J



Style K



Style L



Style N



Style O



Style Q



Style R



Style T



Style U



Style V

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1021C**	*ECH* **92-4001A/R**	B	15123145, 15254101, 19118652, 20923680, 22853741, 25799331, 25920615, 25952370	2008 Buick Allure; 2014-09 Buick Enclave; 2009 Buick LaCrosse; 2011-06 Buick Lucerne; 2014-08 Cadillac CTS; 2011-07 Cadillac DTS; 2014-07 Cadillac Escalade; 2014-07 Cadillac Escalade ESV; 2013-07 Cadillac Escalade EXT; 2009-07 Cadillac SRX; 2011-09 Cadillac STS; 2013-07 Chevrolet Avalanche; 2011-07 Chevrolet Aveo; 2011-07 Chevrolet Aveo5; 2014-12, 2010-08 Chevrolet Captiva Sport; 2010-08 Chevrolet Cobalt; 2009 Chevrolet Corvette; 2009-08 Chevrolet Equinox; 2014-08 Chevrolet Express 1500; 2014-08 Chevrolet Express 2500; 2013-09 Chevrolet Express 3500; 2015-09 Chevrolet Express 4500; 2011-08 Chevrolet HHR; 2013-07 Chevrolet Impala; 2014 Chevrolet Impala Limited; 2012-08 Chevrolet Malibu; 2007 Chevrolet Monte Carlo; 2007 Chevrolet Optra; 2015-07 Chevrolet Silverado 1500; 2007 Chevrolet Silverado 1500 HD; 2009-07 Chevrolet Silverado 2500; 2015-07 Chevrolet Silverado 2500 HD; 2009-07 Chevrolet Silverado 3500; 2015-07 Chevrolet Silverado 3500 HD; 2014-07 Chevrolet Suburban 1500; 2013-07 Chevrolet Suburban 2500; 2014-07 Chevrolet Tahoe; 2014-09 Chevrolet Traverse; 2014-09 GMC Acadia; 2009-07 GMC Envoy; 2014-10 GMC Savana 1500; 2014-10 GMC Savana 2500; 2014-10 GMC Savana 3500; 2014-09 GMC Savana 4500; 2010-07 GMC Sierra; 2014-07 GMC Sierra 1500; 2007 GMC Sierra 1500 HD; 2014-07 GMC Sierra 2500 HD; 2007 GMC Sierra 3500; 2014-07 GMC Sierra 3500 HD; 2009-07 GMC W3500 Forward; 2014-07 GMC Yukon; 2014-07 GMC Yukon XL 1500; 2013-07 GMC Yukon XL 2500; 2009-07 Hummer H22010-08 Pontiac G3; 2010-09 Pontiac G3 Wave; 2010-08 Pontiac G5; 2010-09 Pontiac G6; 2009-08 Pontiac G8; 2010 Pontiac Solstice; 2008-07 Pontiac Wave; 2010-07 Saturn Aura; 2010-09 Saturn Outlook; 2010-07 Saturn Vue

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NAPA® ECHLIN® QWIK SENSOR™ MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1187C**	*ECH* **92-4003A/R**	G/H	42607-33011, 4260752010, 4260752030	2015-11 Lexus CT200h; 2014-07 Lexus ES350; 2011-07 Lexus GS350; 2007 Lexus GS430; 2014-13, 2011-07 Lexus GS450h; 2011-08 Lexus GS460; 2014-12 Lexus GX460; 2009-07 Lexus GX470; 2014-08 Lexus IS F; 2014-06 Lexus IS250; 2014-06 Lexus IS350; 2012 Lexus LFA; 2013-07 Lexus LS460; 2013-08 Lexus LS600h; 2007-05 Lexus LX470; 2015-13, 2011-08 Lexus LX570; 2006 Lexus RX330; 2014, 2011-07 Lexus RX350; 2009-07 Lexus RX400h; 2015-10 Lexus RX450h; 2011-08 Lexus SC430; 2014-12 Scion iQ; 2015-06 Scion tC; 2014-08, 2006 Scion xB; 2014-08 Scion xD; 2015-05 Toyota 4Runner; 2008-06 Toyota Avalon; 2011-07 Toyota Camry; 2011-07 Toyota Corolla; 2014-08 Toyota FJ Cruiser; 2013-07 Toyota Highlander; 2014-05 Toyota Land Cruiser; 2010-07 Toyota Matrix; 2015-05 Toyota Prius; 2014-12 Toyota Prius C; 2014-12 Toyota Prius V; 2013-06 Toyota RAV4; 2007-04 Toyota Sequoia; 2008-06 Toyota Solara; 2006-05 Toyota Tacoma; 2006-05 Toyota Tundra; 2012-07 Toyota Yaris
ECH **92-1179C**	*ECH* **92-4001A/R**	B	9L3Z 1A189-A, ZZDA-37-140	2014-13 Ford C-Max; 2014-10 Ford E-150; 2014-10 Ford E-250; 2014-10 Ford E-350 Super Duty; 2014-10 Ford E-450 Super Duty; 2014-11 Ford Edge; 2014-09 Ford Escape; 2015-11 Ford Expedition; 2015-11 Ford Explorer; 2014-09 Ford F-150; 2011 Ford F-250; 2015-10 Ford F-250 Super Duty; 2015-10 Ford F-350 Super Duty; 2011-10 Ford F-450; 2014-10 Ford F-450 Super Duty; 2014-10 Ford F-550 Super Duty; 2015-11 Ford Fiesta; 2014-11 Ford Flex; 2014-10 Ford Focus; 2015-10 Ford Fusion; 2014-10 Ford Mustang; 2015-13 Ford Police Interceptor Sedan; 2015-13 Ford Police Interceptor Utility; 2015 Ford Special Service Police Sedan; 2015-11 Ford Taurus; 2010 Ford Transit; 2015-10 Ford Transit Connect; 2015 Ford Transit-150; 2015 Ford Transit-250; 2015 Ford Transit-350; 2015 Ford Transit-350 HD; 2015 Lincoln MKC; 2014-12 Lincoln MKS; 2013-11 Lincoln MKT; 2015-11 Lincoln MKX; 2015, 2012-10 Lincoln MKZ; 2015-11 Lincoln Navigator; 2011-09 Mazda Tribute; 2011-09 Mercury Mariner; 2011-10 Mercury Milan
ECH **92-1007C**	*ECH* **92-4001A/R**	C	40700-CK002	2010-09 Infiniti M35; 2010-09 Infiniti M45; 2010-09, 2007-04 Infiniti QX56; 2009-07 Nissan 350Z; 2013-06 Nissan Altima; 2014-04 Nissan Armada; 2014-09 Nissan Cube; 2014-05 Nissan Frontier; 2015-09 Nissan GT-R; 2014-07 Nissan Maxima; 2012-07 Nissan Murano; 2013-07, 2005 Nissan Pathfinder; 2010-04 Nissan Quest; 2014, 2012-08 Nissan Rogue; 2014-07 Nissan Sentra; 2014-04 Nissan Titan; 2014-07 Nissan Versa; 2014-06 Nissan Xterra
ECH **92-1022C**	*ECH* **92-4001A/R**	L	5139640AA, 5605 3030AC, 56053030AA, 56053030AB, 6800 1696AB, 68001696AA, 68078861AA	2014-11 Chrysler 200; 2007-05 Chrysler 300; 2008-06 Chrysler Pacifica; 2010-08 Chrysler PT Cruiser; 2010-07 Chrysler Sebring; 2007-06 Chrysler Town & Country; 2014-08 Dodge Avenger; 2012-07 Dodge Caliber; 2007-06 Dodge Caravan; 2007-06 Dodge Charger; 2007-06 Dodge Grand Caravan; 2007-05 Dodge Magnum; 2006 Jeep Commander; 2015-07 Jeep Compass; 2006-05 Jeep Grand Cherokee; 2012, 2006-05 Jeep Liberty; 2014-07 Jeep Patriot; 2011 Ram Dakota; 2013-12 Suzuki Kizashi
ECH **92-1036C**	*ECH* **92-4001A/R**	D/E	6F2Z-1A189-A, ZZC1-37-140, ZZC2-37-14X	2011-06 Ford Crown Victoria; 2007 Ford Edge; 2008-05 Ford Escape; 2010-06 Ford Explorer; 2010-07 Ford Explorer Sport Trac; 2008-07 Ford F-150; 2009-08 Ford Focus; 2007-06 Ford Freestar; 2007-06 Ford Freestyle; 2009-06 Ford Fusion; 2007-06 Ford Grand Marquis; 2009-06 Ford Mustang; 2011-07 Ford Ranger; 2007 Ford Taurus; 2008-07 Lincoln Mark LT; 2007 Lincoln MKX; 2009-07 Lincoln MKZ; 2011-06 Lincoln Town Car; 2006 Lincoln Zephyr; 2010-07 Mazda B2300; 2008-07 Mazda B3000; 2010-07 Mazda B4000; 2008, 2006-05 Mazda Tribute; 2011-06 Mercury Grand Marquis; 2008-05 Mercury Mariner; 2009-07 Mercury Milan; 2007-06 Mercury Monterey; 2010-06 Mercury Mountaineer
ECH **92-1182C**	*ECH* **92-4001A/R**	B	12768826, 20922900, 20951302	2010-09 Buick Allure; 2014-13 Buick Encore; 2014-10 Buick LaCrosse; 2014-11 Buick Regal; 2014-12 Buick Verano; 2014-10 Cadillac SRX; 2014-13 Cadillac XTS; 2014-10 Chevrolet Camaro; 2015-11 Chevrolet Cruze; 2014-10 Chevrolet Equinox; 2015-13 Chevrolet Malibu; 2014-12 Chevrolet Orlando; 2014-12 Chevrolet Sonic; 2014-13 Chevrolet Spark; 2014-11 Chevrolet Volt; 2014-10 GMC Terrain2011 Saab 9-4X2011-10 Saab 9-5
ECH **92-1161**	*ECH* **92-4002A/R**	B	5602 9398AB, 56029398AA, 68142397AA, 7B0907253B, 7B0907253C	2014-12, 2010-09 Chrysler 300; 2015-12 Chrysler Town & Country; 2014-10 Dodge Challenger; 2014-12, 2010 Dodge Charger; 2014-11 Dodge Durango; 2015-12 Dodge Grand Caravan; 2014-12 Dodge Journey; 2010 Dodge Ram 1500; 2010 Dodge Ram 2500; 2010 Dodge Ram 3500; 2014-12 Fiat 500; 2014 Fiat 500L; 2014-11 Jeep Grand Cherokee; 2015-13 Jeep Wrangler; 2013-11 Mitsubishi Lancer; 2012-11 Mitsubishi Outlander; 2014-11 Mitsubishi Outlander Sport; 2014-11 Mitsubishi RVR; 2013-11 Ram 1500; 2013-11 Ram 2500; 2014-12 Ram C/V; 2014-11 Volkswagen Routan

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NAPA® ECHLIN® QWIK SENSOR™ MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1168C**	*ECH* **92-4003A/R**	O	42753-SNA-A81, 42753-SNA-A83, 42753-TR3-A81	2011-08 Acura CSX; 2015-08 Honda Civic; 2014-11 Honda CR-Z; 2011-09 Honda Element; 2014-09 Honda Fit; 2014-10 Honda Insight; 2015-11 Honda Odyssey
ECH **92-1149C**	*ECH* **92-4001A/R**	L	1K0 907 253A, 1K0 907 253D, 1K0907253D, 1K0907255A, 1K0907255C	2014-06 Audi A3; 2013-06 Audi A3 Quattro; 2014-09 Audi A4; 2014-09 Audi A4 Quattro; 2013-08 Audi A5; 2014-08 Audi A5 Quattro; 2014-09 Audi Q5; 2013-10 Audi S4; 2013-08 Audi S5; 2011-08 Audi TT; 2014-08 Audi TT Quattro; 2014-12, 2010-08 Volkswagen Beetle; 2012-09 Volkswagen CC; 2014-07 Volkswagen Eos; 2014-10, 2006 Volkswagen Golf; 2011-08 Volkswagen Golf City; 2012-06 Volkswagen GTI; 2014-06 Volkswagen Jetta; 2011-07 Volkswagen Jetta City; 2014-06 Volkswagen Passat; 2010 Volkswagen Passat CC; 2008 Volkswagen R32; 2010-06 Volkswagen Rabbit; 2013-09 Volkswagen Tiguan
ECH **92-1011C**	*ECH* **92-4001A/R**	J	15202272, 15268606, 19155710, 20925924	2007 Buick Allure; 2008 Buick Enclave; 2008-07 Buick LaCrosse; 2013-09 Cadillac CTS; 2006 Cadillac DTS; 2011-10 Cadillac STS; 2014-11 Chevrolet Caprice; 2010-08 Chevrolet Cobalt; 2014-10 Chevrolet Corvette; 2009-07 Chevrolet Equinox; 2009-08 Chevrolet Express 1500; 2012-08 Chevrolet Express 3500; 2009 Chevrolet HHR; 2007-06 Chevrolet Impala; 2008 Chevrolet Malibu; 2006 Chevrolet Monte Carlo; 2007 Chevrolet Silverado 1500 HD; 2007 Chevrolet Tahoe; 2009-08 Chevrolet Uplander; 2008-07 GMC Acadia; 2009-08 GMC Savana 1500; 2009-08 GMC Savana 2500; 2009-08 GMC Savana 3500; 2007 GMC Yukon; 2011-10 Lexus GX4602008 Pontiac G3; 2008 Pontiac G5; 2008 Pontiac G6; 2008-07 Pontiac Grand Prix; 2009-08 Pontiac Montana; 2009-08 Pontiac Solstice; 2009-07 Pontiac Torrent; 2008-07 Saturn Outlook; 2010-08 Saturn Sky; 2009-07 Suzuki XL-7
ECH **92-1116**	*ECH* **92-4001A/R**	R	529331M000, 52933-2M000	2014-12 Hyundai Accent; 2014-12 Hyundai Elantra; 2013-10 Hyundai Genesis Coupe; 2014-11 Hyundai Sonata; 2014 Kia Cadenza; 2013-10 Kia Forte; 2014-10 Kia Forte Koup; 2014-11 Kia Optima; 2014-11 Kia Sorento; 2013-10 Kia Soul
ECH **92-1164C**	*ECH* **92-4003A/R**	G/H	42753-SWA-306, 42753-SWA-316, 42753-SWA-A54	2012-08 Honda Accord; 2011-07 Honda CR-V; 2008 Honda Fit
ECH **92-1144C**	*ECH* **92-4001A/R**	L	BBM237140, BBM237140A, BBM237140B, FE01-37-140A, GN3A37140, GN3A37140A, GN3A37140B, GN3A-37-140B, GN3A-37-741	2014-11 Mazda 2; 2013-04 Mazda 3; 2013-12 Mazda 3 Sport; 2013-06 Mazda 5; 2014-05 Mazda 6; 2012-07 Mazda CX-7; 2012-07 Mazda CX-9; 2013 Mazda Miata; 2013-06 Mazda MX-5 Miata; 2011-04 Mazda RX-8
ECH **92-1016C**	*ECH* **92-4002A/R**	C	52088990AA, 52088990AB, 52088990AC, 52088990AD, 52088990AD,, 52088990AE, MN103033	2004-02 Chrysler 300M; 2004-02 Chrysler Concorde; 2008-04 Chrysler Crossfire; 2002 Chrysler Grand Voyager; 2004-02 Chrysler Intrepid; 2004 Chrysler Pacifca; 2002 Chrysler Prowler; 2003-02 Chrysler Town & Country; 2003-02 Chrysler Voyager; 2003-02 Dodge Caravan; 2003-02 Dodge Grand Caravan; 2004-02 Dodge Intrepid; 2010-08, 2006-03 Dodge Viper; 2004-01 Jeep Grand Cherokee; 2004-02 Jeep Liberty; 2007-06 Mitsubishi Eclipse; 2006-04 Mitsubishi Endeavor; 2012-04 Mitsubishi Galant
ECH **92-1208**	—	G/H	42607-06020	2015 Toyota Avalon; 2015-12 Toyota Camry; 2015-14 Toyota Corolla; 2015-14 Toyota Highlander; 2015-14 Toyota RAV4; 2014-13 Toyota Yaris
ECH **92-1018C**	*ECH* **92-4001A/R**	J	15114379	2006-05 Cadillac Escalade; 2006-05 Cadillac Escalade ESV; 2006-05 Cadillac Escalade EXT; 2006-05 Chevrolet Avalanche 1500; 2006-05 Chevrolet Avalanche 2500; 2006-05 Chevrolet Silverado 1500; 2006-05 Chevrolet Silverado 1500 HD; 2006-05 Chevrolet Silverado 2500; 2006-05 Chevrolet Silverado 2500 HD; 2006-05 Chevrolet Silverado 3500; 2006-05 Chevrolet Suburban 1500; 2006-05 Chevrolet Suburban 2500; 2006-05 Chevrolet Tahoe; 2006-05 GMC Sierra 1500; 2006-05 GMC Sierra 1500 HD; 2006-05 GMC Sierra 2500 HD; 2006-05 GMC Sierra 3500; 2006-05 GMC W3500 Forward; 2006-05 GMC Yukon; 2006-05 GMC Yukon XL 1500; 2006-05 GMC Yukon XL 2500
ECH **92-1067C**	*ECH* **92-4003A/R**	O	42607-08010, 426070C030, 42607-0C050, 42607-0C070	2014-09 Acura TL; 2013-10 Acura ZDX; 2015-08 Toyota Sequoia; 2015-07 Toyota Sienna; 2014-07 Toyota Tundra;

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NAPA® ECHLIN® QWIK SENSOR™ MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1030C**	*ECH* **92-4001A/R**	B	28103AG01A, 28103AG01B, 28103AG01C, 28103SA000, 28103SA001, 28103SA002	2014-08 Subaru Forester; 2014-08 Subaru Impreza; 2014-08 Subaru Legacy; 2014-08 Subaru Outback; 2013-08 Subaru Tribeca; 2014-13 Subaru XV Crosstrek
ECH **92-1001C**	*ECH* **92-4002A/R**	C	4L2Z-1A150-BA	2004-02 Ford Expedition; 2005-02 Ford Explorer; 2005-03 Lincoln Aviator; 2004-02 Lincoln Navigator; 2005-02 Mercury Mountaineer
ECH **92-1132C**	*ECH* **92-4002A/R**	L	56053031AB, 56053031AC, 6800 1698AA	2008 Chrysler 300; 2009-08 Chrysler Sebring; 2010-08 Chrysler Town & Country; 2008 Dodge Charger; 2010-08 Dodge Grand Caravan; 2011-09 Dodge Journey; 2008 Dodge Magnum; 2010 Dodge Ram 1500; 2010 Dodge Ram 2500; 2010-08 Dodge Ram 3500; 2006 Jeep Liberty
ECH **92-1194C**	*ECH* **92-4003A/R**	O	529332F000	2011-07 Hyundai Accent; 2013-11 Hyundai Equus; 2014-09 Hyundai Genesis; 2010-08 Hyundai Sonata; 2013-10 Hyundai Tucson; 2011-09 Kia Borrego; 2014-07 Kia Rio; 2011-07 Kia Rio5; 2009-06 Kia Spectra; 2009-06 Kia Spectra5; 2013-08 Kia Sportage
ECH **92-1186C**	*ECH* **92-4001A/R**	D/E	7L1Z-1A189-A, 8T4Z-1A189-A	2010-08 Ford Edge; 2010-07 Ford Expedition; 2007-06 Ford Five Hundred; 2010-09 Ford Flex; 2009-07 Ford Focus; 2010-08 Ford Taurus; 2009-08 Ford Taurus X; 2011-09 Lincoln MKS; 2010 Lincoln MKT; 2010-08 Lincoln MKX; 2010-07 Lincoln Navigator; 2007-06 Mercury Montego; 2009-08 Mercury Sable
ECH **92-1169C**	*ECH* **92-4003A/R**	K	06421-S3V-A02	2006-04 Acura MDX; 2008-05 Acura RL; 2008-05 Acura TL; 2007-05 Honda Odyssey; 2008-05 Honda Pilot; 2014-06 Honda Ridgeline
ECH **92-1131C**	*ECH* **92-4001A/R**	B	5602 9465AB	2009-07 Chrysler Aspen; 2009-06 Dodge Durango; 2011-07 Dodge Nitro; 2008 Dodge Ram 1500; 2007 Jeep Commander; 2010-07 Jeep Grand Cherokee; 2011-07 Jeep Liberty; 2010-07 Jeep Wrangler
ECH **92-1175**	*ECH* **92-4002A/R**	A	000 905 41 00, 002 540 90 17, 002 540 90 17 28, 0025408617, 003 540 02 17 28, 0035400217, A 000 905 72 00	2011-08 Mercedes-Benz C230; 2014-10 Mercedes-Benz C250; 2008 Mercedes-Benz C280; 2014-08 Mercedes-Benz C300; 2014-08 Mercedes-Benz C350; 2014-08 Mercedes-Benz C63 AMG; 2011 Mercedes-Benz CL500; 2014-10 Mercedes-Benz CL550; 2014-10 Mercedes-Benz CL600; 2014-10 Mercedes-Benz CL63 AMG; 2014-10 Mercedes-Benz CL65 AMG; 2014 Mercedes-Benz CLA250; 2014 Mercedes-Benz CLA45 AMG; 2009-08 Mercedes-Benz CLK350; 2008 Mercedes-Benz CLK500; 2009-08 Mercedes-Benz CLK550; 2009-07 Mercedes-Benz CLK63 AMG; 2014-12 Mercedes-Benz CLS550; 2014-12 Mercedes-Benz CLS63 AMG; 2014 Mercedes-Benz CLS63 AMG S; 2014 Mercedes-Benz E250; 2011-10 Mercedes-Benz E300; 2011-10 Mercedes-Benz E320; 2014-10 Mercedes-Benz E350; 2014-13 Mercedes-Benz E400; 2011 Mercedes-Benz E500; 2014-10 Mercedes-Benz E550; 2014-10 Mercedes-Benz E63 AMG; 2014 Mercedes-Benz E63 AMG S; 2011, 2008-07 Mercedes-Benz G500; 2011-07 Mercedes-Benz G55 AMG; 2014-09 Mercedes-Benz G550; 2014-13 Mercedes-Benz G63 AMG; 2014-10 Mercedes-Benz GL350; 2014-10 Mercedes-Benz GL450; 2015-10 Mercedes-Benz GL550; 2014-13 Mercedes-Benz GL63 AMG; 2014-13 Mercedes-Benz GLK250; 2014-10 Mercedes-Benz GLK350; 2010 Mercedes-Benz ML320; 2014-10 Mercedes-Benz ML350; 2011-10 Mercedes-Benz ML450; 2011 Mercedes-Benz ML500; 2014-10 Mercedes-Benz ML550; 2014-10 Mercedes-Benz ML63 AMG; 2012-10 Mercedes-Benz R350; 2011 Mercedes-Benz R500; 2013-12 Mercedes-Benz S350; 2013-10 Mercedes-Benz S400; 2011 Mercedes-Benz S450; 2014-10 Mercedes-Benz S550; 2014-10 Mercedes-Benz S600; 2014-10 Mercedes-Benz S63 AMG; 2013-11 Mercedes-Benz S65 AMG; 2011 Mercedes-Benz SL500; 2014-11 Mercedes-Benz SL550; 2014-13 Mercedes-Benz SL63 AMG; 2014-13, 2011 Mercedes-Benz SL65 AMG; 2014-12 Mercedes-Benz SLK250; 2008 Mercedes-Benz SLK280; 2011-09 Mercedes-Benz SLK300; 2014-08 Mercedes-Benz SLK350; 2014-08 Mercedes-Benz SLK55 AMG; 2014-11 Mercedes-Benz SLS AMG; 2014 Mercedes-Benz Sprinter 2500; 2014 Mercedes-Benz Sprinter 3500; 2014-08 Smart Fortwo
ECH **92-1008C**	*ECH* **92-4001A/R**	C	40700-CK001	2008 Infiniti QX56; 2007-04 Nissan Armada; 2008-05 Nissan Frontier; 2007-06 Nissan Maxima; 2006-04 Nissan Pathfinder; 2007-04 Nissan Quest; 2008-07 Nissan Sentra; 2008-05 Nissan Titan; 2008-07 Nissan Versa; 2006-05 Nissan Xterra;
ECH **92-1137C**	*ECH* **92-4003A/R**	Q	529332G200	2013-06 Hyundai Azera; 2011-07 Hyundai Elantra; 2010-08 Hyundai Entourage; 2010-08 Hyundai Santa Fe; 2012-08 Hyundai Veracruz; 2010-07 Kia Magentis; 2010-06 Kia Optima; 2012-07 Kia Rondo; 2014, 2012-08 Kia Sedona

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NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1006C**	*ECH* **92-4001A/R**	J	15102575, 15136883, 15163069	2004 Cadillac Escalade; 2004 Cadillac Escalade ESV; 2004 Cadillac Escalade EXT; 2004 Chevrolet Avalanche 1500; 2004 Chevrolet Avalanche 2500; 2004 Chevrolet Silverado 1500; 2004 Chevrolet Silverado 2500; 2004 Chevrolet Silverado 2500 HD; 2004 Chevrolet Silverado 3500; 2004 Chevrolet Suburban 1500; 2004 Chevrolet Suburban 2500; 2004 Chevrolet Tahoe; 2004 GMC Sierra 1500; 2004 GMC Sierra 2500; 2004 GMC Sierra 2500 HD; 2004 GMC Sierra 3500; 2004 GMC W3500 Forward; 2004 GMC Yukon; 2004 GMC Yukon XL 1500; 2004 GMC Yukon XL 2500
ECH **92-1130C**	*ECH* **92-4002A/R**	Q	36236781847	2011-08 BMW 128i; 2010-08 BMW 135i; 2009-06 BMW 323i; 2009-07 BMW 328i; 2009 BMW 328i xDrive; 2008-07 BMW 328xi; 2009 BMW 335d; 2009-07 BMW 335i; 2009 BMW 335i xDrive; 2008-07 BMW 335xi; 2007-04 BMW 525i; 2007-06 BMW 525xi; 2011-08 BMW 528i; 2010-09 BMW 528i xDrive; 2008 BMW 528xi; 2007-04 BMW 530i; 2007-06 BMW 530xi; 2011-08 BMW 535i; 2011-10 BMW 535i GT; 2011-09 BMW 535i xDrive; 2008 BMW 535xi; 2011-06 BMW 550i; 2011-10 BMW 550i GT; 2011-10 BMW 550i GT xDrive; 2011 BMW 550i xDrive; 2010 BMW 650Ci; 2010-06 BMW 650i; 2011 BMW 740i; 2011 BMW 740Li; 2011-06 BMW 750i; 2011-10 BMW 750i xDrive; 2011-06 BMW 750Li; 2011-10 BMW 750Li xDrive; 2006 BMW 760i; 2010-04 BMW 760Li; 2011 BMW ActiveHybrid 7; 2011 BMW Active Hybrid 7L; 2008-07 BMW Alpina B7; 2009-04 BMW M3; 2010-06 BMW M5; 2010-06 BMW M6; 2011-04 BMW X3; 2011-04 BMW X5; 2011-08 BMW X6; 2011-03 BMW Z4; 2003 BMW Z8; 2009-07 Mini Cooper2013-07 Rolls Royce Phantom
ECH **92-1053C**	*ECH* **92-4003A/R**	G/H	4260704010	2015-06 Toyota Tacoma
ECH **92-1253**	*ECH* **92-4002A/R**	T	36 10 6 790 054	2011 BMW 1 Series M; 2010-07 BMW 120i; 2010-09 BMW 125i; 2013-12 BMW 128i; 2010-07 BMW 130i; 2013-11 BMW 135i; 2013 BMW 135is; 2011-10 BMW 323i; 2014-10 BMW 328i; 2014-10 BMW 328i xDrive; 2011-10 BMW 335d; 2013-10 BMW 335i; 2013-10 BMW 335i xDrive; 2013-11 BMW 335is; 2015-12 BMW 528i; 2015-12 BMW 528i xDrive; 2014 BMW 535d; 2014 BMW 535d xDrive; 2015-12 BMW 535i; 2015-11 BMW 535i GT; 2015-11 BMW 535i GT xDrive; 2015-12 BMW 535i xDrive; 2015-12 BMW 550i; 2015-12 BMW 550i GT; 2015-12 BMW 550i GT xDrive; 2015-12 BMW 550i xDrive; 2015-12 BMW 640i; 2015-13 BMW 640i Gran Coupe; 2015-14 BMW 640i xDrive; 2015-14 BMW 640i xDrive Gran Coupe; 2015-12 BMW 650i; 2015-13 BMW 650i Gran Coupe; 2015-12 BMW 650i xDrive; 2015-13 BMW 650i xDrive Gran Coupe; 2015-12 BMW 740i; 2015-12 BMW 740Li; 2015-13 BMW 740Li xDrive; 2015-12 BMW 750i; 2015-12, 2010 BMW 750i xDrive; 2015-12 BMW 750Li; 2015-12 BMW 750Li xDrive; 2015-11 BMW 760Li; 2015-12 BMW Active Hybrid 5; 2015-13 BMW ActiveHybrid 7; 2015-12 BMW Alpina B7; 2015-12 BMW Alpina B7 xDrive; 2015-12 BMW Alpina B7L; 2015-12 BMW Alpina B7L xDrive; 2013-10 BMW M3; 2015-11 BMW M5; 2015-11 BMW M6; 2015-14 BMW M6 Gran Coupe; 2015-12 BMW X1; 2015-12 BMW X3; 2015 BMW X4; 2013-12 BMW X5; 2014-12 BMW X6; 2015-12 BMW Z4; 2006 Bugatti Veyron 16.4; 2014-10 Mini Cooper; 2014-11 Mini Cooper Countryman; 2014-13 Mini Cooper Paceman
ECH **92-1074C**	*ECH* **92-4002A/R**	B	5602 9359AA, 56029359AB, 56029359AC, 56029481AB	2011-07 Dodge Nitro; 2009 Dodge Ram 1500; 2010-07 Jeep Commander; 2010-08 Jeep Grand Cherokee; 2011-07 Jeep Liberty; 2011-08 Jeep Wrangler
ECH **92-1209C**	*ECH* **92-4001A/R**	C	40700CD001	2008-03 Infiniti FX35; 2008-03 Infiniti FX45; 2006-03 Infiniti G35; 2008-06 Infiniti M35; 2008-06, 2004-03 Infiniti M45; 2006-03 Infiniti Q45; 2003 Infiniti QX4; 2006-03 Nissan 350Z; 2004-03 Nissan Frontier; 2006-03 Nissan Murano; 2004-03 Nissan Pathfinder; 2004-03 Nissan Xterra
ECH **92-1141C**	*ECH* **92-4003A/R**	G/H	42753-STK-A01, 42753-STK-A02, 42753-STK-A03, 42753STKA04	2012-07 Acura MDX; 2012-07 Acura RDX; 2008-07 Acura TSX; 2015-09 Honda Pilot
ECH **92-1163**	*ECH* **92-4003A/R**	G/H	42753SWA315	2011-07 Honda CR-V
ECH **92-1129**	*ECH* **92-4002A/R**	A	5602 9400AB, 5602 9400AC, 56029400AA, 56029400AD, 56029400AE	2014-09 Chrysler 300; 2015-08 Dodge Challenger; 2015-09 Dodge Charger; 2015 Jeep Grand Cherokee; 2014-13 SRT Viper
ECH **92-1188**	—	R	42753-TP6-A82	2011-10 Honda Accord Crosstour; 2015-12 Honda Crosstour; 2014-12 Honda CR-V
ECH **92-1070C**	*ECH* **92-4003A/R**	K	529331F000	2007-06 Hyundai Accent; 2008-05 Hyundai Sonata; 2008-07 Hyundai Tiburon; 2010-05 Hyundai Tucson; 2009-07 Kia Amanti; 2010-07 Kia Sorento; 2007-05 Kia Sportage

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ECH **92-1185C**	*ECH* **92-4001A/R**	D/E	8C2Z-1A189A	2009-08 Ford E-150; 2009-08 Ford E-250; 2009-08 Ford E-350 Super Duty; 2009-08 Ford E-450 Super Duty; 2008 Ford F-150; 2009-08 Ford F-250 Super Duty; 2009-08 Ford F-350; 2009-08 Ford F-350 Super Duty; 2009-08 Ford F-450; 2009-08 Ford F-450 Super Duty; 2009-08 Ford F-550 Super Duty; 2008 Lincoln Mark LT
ECH **92-1003C**	*ECH* **92-4001A/R**	J	15163068, 25763677, 25774006	2007-04 Cadillac CTS; 2006-04 Cadillac SRX; 2006 Chevrolet SSR; 2009-06 Chevrolet Trailblazer; 2006 Chevrolet Trailblazer EXT; 2009-06 GMC Envoy; 2006 GMC Envoy XL; 2008-06 Isuzu Ascender; 2009-05 Saab 9-7x
ECH **92-1146C**	*ECH* **92-4003A/R**	G/H	42607-0E011, 42607-33020	2006 Lexus RX330; 2015-07 Lexus RX350
ECH **92-1049C**	*ECH* **92-4003A/R**	G/H	426070C010	2007-04 Toyota Sequoia; 2006-05 Toyota Tacoma; 2006-05 Toyota Tundra
ECH **92-1110C**	—	G/H	407001LA0A	2012-11 Infiniti EX35; 2013 Infiniti EX37; 2013-11 Infiniti FX35; 2013 Infiniti FX37; 2013-11 Infiniti FX50; 2012-11 Infiniti G25; 2013-11 Infiniti G37; 2013-12 Infiniti M35h; 2013-11 Infiniti M37; 2013-11 Infiniti M56; 2014 Infiniti Q50; 2014 Infiniti Q60; 2014 Infiniti Q70; 2015-14 Infiniti QX50; 2013-11 Infiniti QX56; 2015-14 Infiniti QX70; 2014 Infiniti QX80; 2014-11 Nissan 370Z; 2014-11 Nissan Juke; 2014-11 Nissan Leaf; 2014-11 Nissan Quest
ECH **92-1134**	—	Q	8223406, 0055422418, 4D0-907-275A, 8223406	2005-00 Audi A6; 2005-00 Audi A6 Quattro; 2003-00 Audi A8 Quattro; 2005-01 Audi Allroad Quattro; 2010-06 Bentley Continental; 2007-06 Mercedes-Benz CLK350; 2007-06 Mercedes-Benz CLK500; 2006 Mercedes-Benz CLK55 AMG; 2007 Mercedes-Benz CLK550; 2006-05 Mercedes-Benz CLS500; 2006-05 Mercedes-Benz CLS55 AMG; 1999 Mercedes-Benz E300; 2006-1999 Mercedes-Benz E320; 2006 Mercedes-Benz E350; 2002-1999 Mercedes-Benz E430; 2006-03 Mercedes-Benz E500; 2006-1999 Mercedes-Benz E55 AMG; 2006 Mercedes-Benz S350; 2006-00 Mercedes-Benz S430; 2006-00 Mercedes-Benz S500; 2006-01 Mercedes-Benz S55 AMG; 2006-00 Mercedes-Benz S600; 2006-05 Mercedes-Benz S65 AMG; 2004-00 Mercedes-Benz SL500; 2004-02 Mercedes-Benz SL55 AMG; 2004-00 Mercedes-Benz SL600; 2006-05 Mercedes-Benz SLR McLaren; 2006-04 Volkswagen Phaeton
ECH **92-1250**	*ECH* **92-4003A/R**	G/H	42753-SZA-A12, 42753-SZA-A13	2014-09 Honda Pilot
ECH **92-1080**	*ECH* **92-4002A/R**	Q	36118378682	2005-02 BMW 320i; 2006-02 BMW 325Ci; 2006-02 BMW 325i; 2006-02 BMW 325xi; 2006-04, 2002 BMW 330Ci; 2007-04, 2002 BMW 330i; 2006-04, 2002 BMW 330xi; 2003-02 BMW 525i; 2003-02 BMW 530i; 2003-02 BMW 540i; 2005-04 BMW 545i; 2005-04 BMW 645Ci; 2005-02 BMW 745i; 2005-02 BMW 745Li; 2005-04 BMW 760i; 2003 BMW 760Li; 2003 BMW Alpina; 2011 BMW Alpina B7; 2011 BMW Alpina B7 xDrive; 2011 BMW Alpina B7L; 2011 BMW Alpina B7L xDrive; 2003-01 BMW M3; 2003-00 BMW M5
ECH **92-1138C**	*ECH* **92-4002A/R**	Q	4D0907275C	2010-09 Audi A6; 2010-09 Audi A6 Quattro; 2014-04 Audi A8 Quattro; 2004-03 Audi RS6; 2014-13, 2011-07, 2003-01 Audi S8; 2005-03 Bentley Continental; 2003-01 Ferrari 550 Maranello; 2005-02 Ferrari 575 M Maranello; 2009-05 Ferrari 612 Scaglietti; 2009-06 Ferrari F430; 2006-04 Maserati Coupe; 2006 Maserati GranSport; 2008-04 Maserati Quattroporte; 2006-04 Maserati Spyder; 1999 Mercedes-Benz E300; 2006-1999 Mercedes-Benz E320; 2006 Mercedes-Benz E350; 2002-1999 Mercedes-Benz E430; 2006-03 Mercedes-Benz E500; 2006-1999 Mercedes-Benz E55 AMG; 2006 Mercedes-Benz S350; 2006-00 Mercedes-Benz S430; 2006-00 Mercedes-Benz S500; 2006-01 Mercedes-Benz S55 AMG; 2006-00 Mercedes-Benz S600; 2006-05 Mercedes-Benz S65 AMG; 2004-03 Mercedes-Benz SL500; 2004-03 Mercedes-Benz SL55 AMG; 2004-03 Mercedes-Benz SL600; 2006-05 Mercedes-Benz SLR McLaren; 2008-05 Porsche 911; 2009-05 Porsche Boxster; 2005-04 Porsche Carrera GT; 2009-06 Porsche Cayman; 2006-04 Volkswagen Phaeton
ECH **92-1038C**	*ECH* **92-4001A/R**	G/H	40700-JK00A, 40700-JK00B, 40700-JK00C, 40700JK00D, 40700JK00E, 40700JK01A	2010-08 Infiniti EX35; 2010-09 Infiniti FX35; 2010-09 Infiniti FX50; 2008-07 Infiniti G35; 2010-08 Infiniti G37; 2010-09 Nissan 370Z; 2014-13 Nissan Murano; 2013 Nissan Rogue
ECH **92-1014C**	*ECH* **92-4001A/R**	C	28103-AG00A, 28103AG00B, 906400001	2007-06 Subaru B9 Tribeca; 2007-04 Subaru Forester; 2007-04 Subaru Impreza; 2008-04 Subaru Legacy; 2007-04 Subaru Outback
ECH **92-1160**	*ECH* **92-4002A/R**	Q	4F0 907 275, 4F0-907-275B, 4F0907275D, 7P0907275, 955 606 023 00	2008-02 Audi A4; 2008-02 Audi A4 Quattro; 2014-11, 2008-06 Audi A6; 2014, 2012-11, 2008-06, 1995 Audi A6 Quattro; 2014-07 Audi Q7; 2014, 2012-08 Audi R8; 2008-07 Audi RS4; 2009-04, 2002 Audi S4; 2014-13, 2011-07 Audi S6; 2010-09 Porsche Cayenne; 2008-07 Volkswagen Phaeton; 2014-07 Volkswagen Touareg

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ECH **92-1136**	*ECH* **92-4003A/R**	G/H	88974915	2010-08 Pontiac Vibe; 2014-13 Subaru BRZ; 2014-12 Toyota Tacoma
ECH **92-1012C**	*ECH* **92-4001A/R**	J	15122618	2012-07 Chevrolet Colorado; 2012-07 GMC Canyon; 2010-06 Hummer H3; 2010-09 Hummer H3T
ECH **92-1183**	—	B	13589256	2014-13 Buick Enclave; 2010 Cadillac SRX; 2014-13 Chevrolet Express 3500; 2014 Chevrolet Impala; 2014-13 GMC Terrain
ECH **92-1127C**	*ECH* **92-4003A/R**	O	426070C040	2008 Toyota Sequoia; 2010-07 Toyota Tundra
ECH **92-1004C**	*ECH* **92-4001A/R**	C	25773946	2005-01 Cadillac DeVille; 2002-01 Cadillac Eldorado; 2004-01 Cadillac Seville; 2004-01 Chevrolet Corvette
ECH **92-1113**	*ECH* **92-4002A/R**	R	6807 8768AA	2011-10 Chrysler Town & Country; 2011-10 Dodge Grand Caravan
ECH **92-1178C**	*ECH* **92-4001A/R**	B	31200923	2009-04 Volvo S60; 2006-04 Volvo S80; 2007-04 Volvo V70; 2008-04 Volvo XC70; 2011-04 Volvo XC90
ECH **92-1028C**	*ECH* **92-4001A/R**	B	56029319AB	2010-08 Dodge Dakota; 2009-08 Dodge Ram 2500; 2009-08 Dodge Ram 3500; 2012-11 Jeep Wrangler; 2009-08 Mitsubishi Raider
ECH **92-1135C**	*ECH* **92-4003A/R**	Q	529334D200	2008-07 Hyundai Entourage; 2008-06 Hyundai Santa Fe; 2008-07 Hyundai Veracruz; 2008-06 Kia Sedona
ECH **92-1005C**	*ECH* **92-4001A/R**	C	5L1Z-1A150-AA	2006-05 Ford Expedition; 2005-04 Ford Freestar; 2006-05 Lincoln Navigator; 2005-04 Mercury Monterey
ECH **92-1190**	*ECH* **92-4002A/R**	R	31280297, 312802970, 31302096, 313020960, 31302096-0	2013-07 Volvo C30; 2013-07 Volvo C70; 2011-07 Volvo S40; 2014-11 Volvo S60; 2014-07 Volvo S80; 2011-07 Volvo V50; 2014-13 Volvo V60; 2010-08 Volvo V70; 2014-10 Volvo XC60; 2014-08 Volvo XC70; 2014-12 Volvo XC90
ECH **92-1096C**	*ECH* **92-4001A/R**	L	4250A225	2013-08 Mitsubishi Lancer; 2014-07 Mitsubishi Outlander; 2012-11 Mitsubishi Outlander Sport; 2014-11 Mitsubishi RVR
ECH **92-1094**	*ECH* **92-4001A/R**	N	002 540 6617, 002 540 6817, 0025404717, 0025406617, 25404717	2008-00 Mercedes-Benz CL500; 2006-01 Mercedes-Benz CL55 AMG; 2009-07 Mercedes-Benz CL550; 2009-01 Mercedes-Benz CL600; 2009-08 Mercedes-Benz CL63 AMG; 2009-08, 2006-05 Mercedes-Benz CL65 AMG; 2011, 2008-07 Mercedes-Benz CLS500; 2011-07 Mercedes-Benz CLS550; 2011-07 Mercedes-Benz CLS63 AMG; 2008-07 Mercedes-Benz E280; 2009-08 Mercedes-Benz E300; 2009-07 Mercedes-Benz E320; 2009-07 Mercedes-Benz E350; 2008-07 Mercedes-Benz E500; 2009-07 Mercedes-Benz E550; 2009-07 Mercedes-Benz E63 AMG; 2009-07 Mercedes-Benz ML320; 2009-06 Mercedes-Benz ML350; 2007-06 Mercedes-Benz ML500; 2009-08 Mercedes-Benz ML550; 2009-07 Mercedes-Benz ML63 AMG; 2009-06 Mercedes-Benz R350; 2010-08 Mercedes-Benz S450; 2008-07 Mercedes-Benz S500; 2009-07 Mercedes-Benz S550; 2009-07 Mercedes-Benz S600; 2009-08 Mercedes-Benz S63 AMG; 2010-07 Mercedes-Benz S65 AMG; 2008-05 Mercedes-Benz SL500; 2008-05 Mercedes-Benz SL55 AMG; 2012-07 Mercedes-Benz SL550; 2011, 2008-05 Mercedes-Benz SL600; 2012-09 Mercedes-Benz SL63 AMG; 2009-05 Mercedes-Benz SL65 AMG; 2009-07 Mercedes-Benz SLR McLaren
ECH **92-1122C**	*ECH* **92-4001A/R**	I	529342L100	2011-09 Hyundai Elantra
ECH **92-1252**	*ECH* **92-4002A/R**	R	BBP337140, BBP337140A, BBP337140B, GS1D37140	2012-09 Mazda 5; 2014-13 Mazda CX-5; 2014-13 Mazda CX-9; 2013-09 Mazda MX-5 Miata
ECH **92-1145**	*ECH* **92-4002A/R**	N	002 540 6917, 002 540 80 17, 0025404817, 0025406917, 25404817	2008-00 Mercedes-Benz CL500; 2006-01 Mercedes-Benz CL55 AMG; 2008-07 Mercedes-Benz CL550; 2008-01 Mercedes-Benz CL600; 2009-08 Mercedes-Benz CL63 AMG; 2008, 2006-05 Mercedes-Benz CL65 AMG; 2009-08 Mercedes-Benz E300; 2009 Mercedes-Benz E320; 2008 Mercedes-Benz E500; 2009 Mercedes-Benz E550; 2009 Mercedes-Benz E63 AMG; 2009-07 Mercedes-Benz GL320; 2009-07 Mercedes-Benz GL450; 2009-08 Mercedes-Benz GL550; 2009-07 Mercedes-Benz ML320; 2009-06 Mercedes-Benz ML350; 2008-06 Mercedes-Benz ML500; 2009-08 Mercedes-Benz ML550; 2009-07 Mercedes-Benz ML63 AMG; 2009-07 Mercedes-Benz R320; 2009-06 Mercedes-Benz R350; 2007-06 Mercedes-Benz R500; 2008 Mercedes-Benz R550; 2007 Mercedes-Benz R63 AMG; 2009-07 Mercedes-Benz S550; 2009-07 Mercedes-Benz S600; 2006-05 Mercedes-Benz SL500; 2006-05 Mercedes-Benz SL55 AMG; 2010-07 Mercedes-Benz SL550; 2011, 2009-05 Mercedes-Benz SL600; 2012-09 Mercedes-Benz SL63 AMG; 2006-05 Mercedes-Benz SL65 AMG
ECH **92-1180C**	*ECH* **92-4003A/R**	O	42753SHJ306, 42753-SHJ-A82	2010-08 Honda Odyssey

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ECH **92-1148**	—	Q	36118378681	2001 BMW 320i; 2000 BMW 323Ci; 2000 BMW 323i; 2001 BMW 325Ci; 2001 BMW 325i; 2001 BMW 325xi; 2000 BMW 328Ci; 2000 BMW 328i; 2003, 2001 BMW 330Ci; 2003, 2001 BMW 330i; 2003, 2001 BMW 330xi; 2001 BMW 525i; 2000 BMW 528i; 2001 BMW 530i; 2001-1998 BMW 540i; 2001-1998 BMW 740i; 2001-1999 BMW 740iL; 2001-1999 BMW 750iL
ECH **92-1025C**	*ECH* **92-4003A/R**	J	06421S9VA02	2005 Honda Pilot; 2008-06 Honda Ridgeline
ECH **92-1046C**	*ECH* **92-4003A/R**	G/H	42607-35010	2006-04 Lexus GX470; 2004-03 Toyota 4Runner
ECH **92-1013C**	*ECH* **92-4001A/R**	C	4250A030, 4250B875, 4250B877, MN103081	2012-06 Mitsubishi Eclipse; 2011-07 Mitsubishi Endeavor; 2012-07 Mitsubishi Galant; 2006-03 Mitsubishi Montero; 2009-08 Mitsubishi Raider
ECH **92-1140C**	*ECH* **92-4001A/R**	L	C2C25519, C2C40476, C2Z15017, LR010533, LR018860, RQH 500470, RQH500460, RQH500461, XR855950	2008-06 Jaguar S-Type; 2009-05 Jaguar Super V8; 2009-04 Jaguar Vanden Plas; 2014-09 Jaguar XF; 2013-10 Jaguar XFR; 2009-04 Jaguar XJ8; 2009-04 Jaguar XJR; 2014-07 Jaguar XK; 2006 Jaguar XK8; 2014-06 Jaguar XKR; 2014-12 Jaguar XKR-S; 2008-06 Jaguar X-Type; 2005 Land Rover Freelander; 2009-05 Land Rover LR3; 2005-02 Land Rover Range Rover; 2009-06 Land Rover Range Rover Sport
ECH **92-1150C**	*ECH* **92-4001A/R**	L	LR000590, LR003135, LR010537, LR018859, LR021936, LR031713, LR032833	2015, 2012-08 Land Rover LR2; 2014-10 Land Rover LR4; 2014-06 Land Rover Range Rover; 2014-12 Land Rover Range Rover Evoque; 2014-10 Land Rover Range Rover Sport
ECH **92-1017C**	*ECH* **92-4001A/R**	C	43130-54J20, 4313054J21	2013-05 Suzuki Grand Vitara; 2013-07 Suzuki SX4; 2006-05 Suzuki XL-7
ECH **92-1010C**	*ECH* **92-4001A/R**	J	10306573, 10354988, 25758220	2008-05 Cadillac STS; 2009-04 Cadillac XLR; 2009-05 Chevrolet Corvette
ECH **92-1155**	—	J	15184705	2007-05 Buick Rainier; 2009-06 GMC Envoy; 2006 GMC Envoy XL;
ECH **92-1159**	—	C	10354987, 20807214	2004 - 1997 Chevrolet Corvette
ECH **92-1087**	*ECH* **92-4002A/R**	Q	7PP907275B, 7PP907275F, 95560602101, 958 361 661 00, 997 606 021 20	2015 Audi R8; 2015-14 Audi RS7; 2015-09 Porsche 911; 2015 Porsche 918 Spyder; 2014-10 Porsche Boxster; 2014-08 Porsche Cayenne; 2015-14, 2012-10 Porsche Cayman; 2014-10 Porsche Panamera
ECH **92-1154C**	*ECH* **92-4001A/R**	J	25740352	2009-08 Cadillac CTS; 2009-05 Cadillac STS
ECH **92-1251**	*ECH* **92-4002A/R**	H	C2C40725, C2S40710, C2Z15016, XR855949	2008-06 Jaguar S-Type; 2009-05 Jaguar Super V8; 2009-04 Jaguar Vanden Plas; 2014-09 Jaguar XF; 2013-10 Jaguar XFR; 2009-04 Jaguar XJ8; 2009-04 Jaguar XJR; 2012-08 Jaguar XK; 2011-07 Jaguar XKR; 2014-12 Jaguar XKR-S; 2009 Land Rover LR3; 2011-10 Land Rover LR4; 2011-06 Land Rover Range Rover; 2009 Land Rover Range Rover Sport
ECH **92-1048C**	*ECH* **92-4003A/R**	G/H	42607AD020	2006 Toyota Tacoma
ECH **92-1181C**	*ECH* **92-4003A/R**	G/H	42753-TL2-A51	2014-09 Acura TSX
ECH **92-1032C**	*ECH* **92-4002A/R**	C	24437708	2007-03 Saab 9-3; 2007-03 Saab 9-5
ECH **92-1184**	—	J	92186507	2011, 2009 Cadillac CTS; 2009 Cadillac STS; 2013-11 Chevrolet Corvette
ECH **92-1120**	*ECH* **92-4002A/R**	H	LR 003133, LR021935	2013-08 Land Rover LR2; 2013-12 Land Rover Range Rover; 2014-10 Land Rover Range Rover Sport
ECH **92-1130**	*ECH* **92-4002A/R**	Q	36236771034, 36236779490, 36236781847, 36236798726	2003-00 BMW X5; 2003-02 Land Rover Discovery
ECH **92-1199**	—	B	529332V000	2015-12 Hyundai Veloster
ECH **92-1089**	*ECH* **92-4001A/R**	N	68038945AA	2009-07 Dodge Sprinter 2500; 2009-07 Dodge Sprinter 3500; 2010-08 Freightliner Sprinter 2500; 2010-08 Freightliner Sprinter 3500; 2014-10 Mercedes-Benz Sprinter 2500; 2014-10 Mercedes-Benz Sprinter 3500

Continued on following page.

NAPA® ECHLIN® QWIK SENSOR™ MULTI-COVERAGE PROGRAMMABLE TPMS SENSORS, CONTINUED

NAPA	NAPA Qwik	Group	OE#	Applications
ECH **92-1126**	*ECH* **92-4003A/R**	G/H	42607-35030	2006 Toyota 4Runner
ECH **92-1165C**	—	K	06421SCV305	2008-06 Honda Element
ECH **92-1177**	*ECH* **92-4003A/R**	O	42753-SHJ-305, 42753-SHJ-A53	2012-09 Acura RL; 2014-09 Honda Ridgeline
ECH **92-1020**	—	J	10438853	2000 - 1997 Chevrolet Corvette
ECH **92-1147**	*ECH* **92-4002A/R**	Q	7L0 907 275, 955 361 661 00	2006-03 Porsche Cayenne; 2006-04 Volkswagen Touareg
ECH **92-1039C**	*ECH* **92-4003A/R**	G/H	42607-30030	2006-05 Lexus GS300; 2006-05 Lexus GS430; 2006 Lexus IS250; 2006 Lexus IS350
ECH **92-1212**	—	Q	3AA907275	2014-13 Volkswagen CC; 2014 Volkswagen Tiguan
ECH **92-1040**	—	F	42607-24010	2007-02 Lexus SC430
ECH **92-1041**	—	F	42607-24020	2007-02 Lexus SC430
ECH **92-1042**	—	F	4260724030	2007-02 Lexus SC430
ECH **92-1043**	—	F	42607-24040	2007-02 Lexus SC430
ECH **92-1156**	—	V	10098495	1992-89 Chevrolet Corvette
ECH **92-1157**	—	V	10098496	1992-89 Chevrolet Corvette
ECH **92-1158**	—	V	10098497	1992-89 Chevrolet Corvette
ECH **92-1192**	*ECH* **92-4002A/R**	R	56029527AA, 7B0 907 253, 7B0907253A	2010-09 Volkswagen Routan
ECH **92-1254**	—	C	12825085, 13227143	2011-08 Lotus Elise; 2011-10 Lotus Evora; 2010-09 Lotus Exige; 2011-08 Saab 9-3; 2011-10 Saab 9-3X; 2010-08 Saab 9-5
ECH **92-1123**	*ECH* **92-4001A/R**	R	C2D15551	2015-14 Jaguar F-Type; 2013-10 Jaguar XJ; 2014 Jaguar XJR
ECH **92-1125C**	*ECH* **92-4002A/R**	C	13172567, 13354312	2009-08 Saturn Astra
ECH **92-1201**	—	G/H	52933-3V000	2014-12 Hyundai Azera
ECH **92-1114**	*ECH* **92-4002A/R**	H	C2D10071, C2D15550	2014-10 Jaguar XJ
ECH **92-1172C**	*ECH* **92-4003A/R**	G/H	4260775010	2012-10 Lexus HS250h
ECH **92-1015C**	*ECH* **92-4001A/R**	C	43130-86Z20	2006-04 Suzuki Verona
ECH **92-1173**	*ECH* **92-4001A/R**	R	43130-57L00	2011-10 Suzuki Kizashi
ECH **92-1112**	*ECH* **92-4002A/R**	C	8973271890	2004 Isuzu Rodeo
ECH **92-1115C**	*ECH* **92-4001A/R**	C	40700AR300	2002-01 Infiniti Q45
ECH **92-1111**	*ECH* **92-4001A/R**	J	8151226180	2008-07 Isuzu i-290; 2008-07 Isuzu i-370
ECH **92-1174**	—	C	4313082Z10, 4321182Z00	2012-09 Suzuki Equator
ECH **92-1019**	—	U	4815132, 4815132AB	2001 Chrysler Prowler; 2001-1999, 1997 Plymouth Prowler
ECH **92-1167C**	*ECH* **92-4003A/R**	G/H	42753-S2A-305, 42753-S2A-315	2009-08 Honda S2000

TPMS CABINET

- Sleek professional appearance
- Safe and secure storage for your TPMS sensors
- Efficient inventory control and organization
- Includes a Cabinet Redemption Certificate for free eight TPMS sensors and *ECH* **92-1402** TPMS Repair Kit. Details inside cabinet

Dimensions: 20½" (W) x 12½" (D) x 15" (H).

ECH **CAB105**



Cabinet Redemption Certificate for FREE eight TPMS sensors and *ECH* 92-1402 TPMS Repair Kit. Details inside cabinet

NAPA Tire Hardware REDI-Sensor™

TPMS REDI-SENSOR™

REDI-SENSOR™ TPMS SENSORS IS THE SIMPLEST, EASIEST TPM PROGRAM AVAILABLE TODAY.
EASIER TO SELL, STOCK, AND INSTALL!



- Multi-application TPMS sensor that covers over 85% of all vehicles in North America
- Ready out of the box, installs right out of the box
- Pre-programmed, no sensor programming required
- Works with all major TPMS scan tools
- No training required — designed to follow existing OE vehicle relearn procedures
- OE designed and validated
- 4 sensors replace over 140 OE sensors and counting



Item No.	Description	Qty.
BK **92-3303**	315 MHz	1
BK **92-3303-12**	315 MHz	12 Bulk
BK **92-3303-48**	315 MHz	48 Bulk
BK **92-3303-96**	315 MHz	96 Bulk
BK **92-3304**	314.9 MHz	1
BK **92-3304-12**	314.9 MHz	12 Bulk
BK **92-3304-48**	314.9 MHz	48 Bulk
BK **92-3304-96**	314.9 MHz	96 Bulk
BK **92-3305**	433.92 Mhz	1
BK **92-3305-12**	433.92 MHz	12 Bulk
BK **92-3305-48**	433.92 MHz	48 Bulk
BK **92-3305-96**	433.92 MHz	96 Bulk
BK **92-3306**	315 MHz	1
BK **92-3306-12**	315 MHz	12 Bulk
BK **92-3306-48**	315 MHz	48 Bulk
BK **92-3306-96**	315 MHz	96 Bulk

REDI-SENSOR™ TPMS SENSORS — ASIAN 315 MHZ



Aftermarket 315 MHz valve sensor assembly includes all component parts and is manufactured to OE specifications.
Duplicates original in fit and function.

- Multi-application TPMS sensor that covers over 85% of all vehicles in North America
- Ready out of the box, installs right out of the box
- Pre-programmed, no sensor programming required
- Works with all major TPMS scan tools
- No training required—designed to follow existing OE vehicle relearn procedures
- OE designed and validated

BK **92-3303**

Applications

Make	Models
Acura	CSX 09-08
Honda	Accord 12-08; Accord Crosstour 11-10; CIVIC 13-08; CR-V 13-07; CR-Z 13-11; Crosstour 13-12; Z 11-06; FIT 13-08; Insight 13-10; Odyssey 13-06; S2000 09-08
Hyundai	Accent 11-08; Azera 11-07; Elantra 13-07; Equus 13-11; Santa Fe 12-08; Sonata 10-09; Tucson 13-11; Veracruz 12-08
Kia	Borrego 09; Magentis 10-08; Optima 10-06; Rio 13-07; Rio5 12-07; Rondo 09-07; Sedona 12-09; Spectra 09-06; Spectra5 09-07; Sportage 13-09
Lexus	CT200H 13-11; ES350 12-07; GS300 06; GS350 11-07; GS430 07-06; GS450H 11-07; GS460 11-08; GX460 13-10; GX470 08-04; HS250H 12; ISF 13-11; IS250 13-06; IS350 13-06; LS460 12-07; LS600H 12-08; LX470 07-05; LX570 13; LX570 11-08; RX330 06; RX350 12-07; RX400H 08-07; RX450H 13-10; SC430 10-07
Pontiac	VIBE 10-08
Scion	IQ 13 -12; TC 13-06; XB 13-08; XD 13-08
Toyota	4Runner 13-03; Avalon 12-07; Camry 11-07; Corolla 13-07; FJ Cruiser 13-08; Highlander 13-07; Land Cruiser 13; Land Cruiser 11-05; Matrix 13-07; Prius 13-06; Prius V 13-12; Rav4 12-06; Sequoia 13-04; Sienna 13-06; Solara 08-06; Tacoma 13-05; Tundra 13-05; Venza 13-09; Yaris 12-07

REDI-SENSOR™ TPMS SENSORS — 433.92 MHZ



Aftermarket valve sensor assemblies include all component parts. Manufactured in same ISO-certified facilities to same quality standards as OE parts. Duplicates original equipment in fit and function.

- Multi-application TPMS sensor that covers over 85% of all vehicles in North America
- Ready out of the box, installs right out of the box
- Pre-programmed, no sensor programming required
- Works with all major TPMS scan tools
- No training required—designed to follow existing OE vehicle relearn procedures
- OE designed and validated

BK **92-3305**

Applications

Make	Models
Chrysler	300 08; 300M 04-02; Concorde 04-02; Crossfire 08-04; Pacifica 04; Sebring 09-08; Town & Country 10-08, 03-02; Voyager 03-02
Dodge	Caliber 12; Caravan 03-02; Charger 08; Grand Caravan 10-08, 03-02; Intrepid 04-02; Journey 10-09; Magnum 08; Ram 1500 10-09 Viper 10-08, 06-03
Ford	Edge 13; Expedition 13, 04-03; Explorer 05-02; Police Interceptor Sedan 13; Police Interceptor Utility 13
Isuzu	Rodeo 04
Jeep	Commander 10-08; Grand Cherokee 10-08, 04-02; Liberty 09, 04; Wrangler 10-09
Lincoln	Aviator 05-03; Navigator 04-03
Mercury	Mountaineer 05-02
Mitsubishi	Endeavor 06-04; Galant 06-04
Ram Trucks	Ram 1500 10-09
Volkswagen	Routan 10-09
Volvo	C30 12-08; C70 12-08; S40 11-08; S60 12-11; S80 12-07; V50 11-08; V70 10-08; XC60 12-10; XC70 12-08; XC90 08REDI

Tire Hardware REDI-Sensor™

REDI-SENSOR™ TPMS SENSORS — 315/314.9 MHZ



Aftermarket valve sensor assemblies include all component parts. Manufactured in same ISO-certified facilities to same quality standards as OE parts. Duplicates original equipment in fit and function.

- Multi-application TPMS sensor that covers over 85% of all vehicles in North America
- Ready out of the box, installs right out of the box
- Pre-programmed, no sensor programming required
- Works with all major TPMS scan tools
- No training required—designed to follow existing OE vehicle relearn procedures
- OE designed and validated

BK **92-3304**

Applications

Make	Model
Buick	Allure 10-07; Enclave 13-08; Encore 13; Lacrosse 13-07; Lucerne 11-07; Rainier 07-06; Regal 13-11; Verano 12
Cadillac	13; CTS 13-04; DTS 11-06; Escalade 13-07; SRX 13-04; STS 11-05; XLR 09-04; XTS 13
Chevrolet	Avalanche 13-07; Camaro 13-10; Caprice 13-11; Captiva Sport 13-12; Cobalt 10-08; Corvette 13-05; Cruze 13-11; Equinox 13-07; Express 1500 13-08; Express 2500 13-08; Express 3500 13-08; HHR 11-08; Impala 13-06; Malibu 13-08; Monte Carlo 07-06; Orlando 12; SSR 06; Silverado 1500 13-07; Silverado 1500 Hd 07; Silverado 2500 HD 13-07; Silverado 3500 07; Silverado 3500 HD 13-07; Sonic 13-12; Spark 13; Suburban 1500 13-07; Suburban 2500 13-07; Tahoe 13-07; Trailblazer 09-06; Traverse 13-09; Uplander 09-08; Volt 13-11
Chrysler	200 13-11; 300 07-05; Aspen 09-07; Crossfire 08-05; Intrepid 04-02; Pacifica 08-04; Pt Cruiser 10-08; Sebring 10-07; Town & Country 08-04
Dodge	Avenger 13-08; Caliber 12-07; Caravan 07-04; Charger 07-06; Dakota 11-08; Durango 09-07; Grand Caravan 07-04; Magnum 07-05; Nitro 11-07; Ram 2500 09-08
Ford	C-Max 13; Crown Victoria 11-07; E-150 13-07; E-250 13-07; E-350 Super Duty 13-07; Edge 13-07; Escape 14-05; Expedition 13-05; Explorer 13-06; Explorer Sport Trac 10-07; F-150 13-07; F-250 Super Duty 13-07; F-350 Super Duty 13-07; F-450 Super Duty 12-07; Fiesta 14-11; Five Hundred 07-06; Flex 13-09; Focus 14-07; Freestar 07-04; Fusion 13-07; Mustang 13-07; Police Interceptor Sedan 13; Police Interceptor Utility 13; Ranger 11-07; Taurus 13-08; Taurus X 09-08; Transit Connect 13-10
GMC	Acadia 12-07; Envoy 09-05; Savana 1500 13-08; Savana 2500 13-08; Savana 3500 13-08; Sierra 1500 13-07; Sierra 1500 HD 07; Sierra 2500 HD 13-07; Sierra 3500 07; Sierra 3500 HD 13-07; Terrain 13-10; Yukon 13-07; Yukon XL 1500 13-07; Yukon XL 2500 13-08
Hummer	H2 09-08
Hyundai	Accent 13-12; Elantra 11-09; Genesis Coupe 13-10; Sonata 13-11
Infiniti	X35 10-08; FX35 10-03; FX45 08-03; FX50 10-09; G35 08-03; G37 10-08; M35 10-06; M45 10-03; Q45 06-03; QX4 03; QX56 10-04
Isuzu	Ascender 08-06
Jeep	Commander 07-06; Compass 13-07; Grand Cherokee 07-05; Liberty 12-05; Patriot 13-07; Wrangler 13-07
Kia	Forte 13-10; Forte Koup 13-10; Optima 13-11; Sorento 13-11; Soul 13-10
Lincoln	Mark LT 08-07; MKS 13-09; MKT 13-10; MKX 13-07; MKZ 13-07; Navigator 13-05; Town Car 11-06
Mazda	2 12-11; 3 12-04; 5 12, 10-06; 6 13-05; B2300 09-07; B3000 07; B4000 09-07; CX-7 12-07; CX-9 12-07; MX-5 Miata 12-06; RX-8 11-04; Tribute 11-06
Mercury	Grand Marquis 11-06; Mariner 11-06; Milan 11-07; Montego 07-06; Monterey 07-04; Mountaineer 10-06; Sable 09-08
Mitsubishi	Eclipse 12-06; Galant 12-07; Lancer 12-08; Endeavor 11-06; Outlander 12-07; Outlander Sport 12-11; Raider 09-08
Nissan	350Z 09-07; 370Z 10-09; Altima 12-06; Armada 13-05; Cube 12-09; Frontier 13-03; Gt-R 13-09; Juke 12-11; Maxima 13-06; Murano 12-03; Nv200 13; Pathfinder 12-03; Quest 09-04; Rogue 12-08; Sentra 13-07; Titan 13-04; Versa 13-07; Xterra 13-03
Pontiac	G5 10-08; G6 10-08; G8 09-08; Grand Prix 08-07; Montana 08; Solstice 09-08; Torrent 09-07
Ram Trucks	Dakota 11-08; Ram 2500 09-08
Saab	Saab 9-5 11; 9-7X 09-05
Saturn	Astra 09; Aura 09-07; Outlook 10-07; Sky 10-08; Vue 10-07
Suzuki	Forenza 08-07; Kizashi 13-10; Reno 08-07; Xl-7 09-07

NAPA Tire Hardware REDI-Sensor™



REDI-SENSOR™ TPMS SENSORS — 315 MHZ

Aftermarket 315 MHz valve sensor assemblies include all component parts and is manufactured in same ISO-certified facilities to same quality standards as OE parts. Duplicates original equipment in fit and function. Activation tool type TPMS Reset Tool. Contains REDI-Sensor, Cap, Core, Nut, Washer & Seal.

BK **92-3306**

Applications

Make	Models
Audi	A3 2012-08; A3 Quattro 2012-08; A4 2012-09; A4 Quattro 2012-09; A5 2012-10; A5 Quattro 2012-08; S4 2012-10; S5 2012-08; TT 09-08; TT Quattro 2012-08; AUDI Truck Q5 2012-09
Cadillac	Truck Escalade 2006-05
Chevrolet	Truck Avalanche 1500 2006-05; Avalanche 2500 2006-05; Colorado 2012-07; Silverado 1500 2006-05; Silverado 1500 HD 2006-05; Silverado 2500 HD 2006-05; Silverado 3500 2006-05; Suburban 1500 2006-05; Suburban 2500 2006-05; Tahoe 2006-05
Dodge	Truck Sprinter 2500 09-07; Sprinter 3500 09-07
GMC	Truck Canyon 2012-07; Sierra 1500 2006-05; Sierra 1500 HD 2006-05; Sierra 2500 HD 2006-05; Sierra 3500 2006-05; Yukon 06-05; Yukon XL 1500 2006-05; Yukon XL 2500 2006-05
Hummer	H3 10-06; H3T 10-09
Infiniti	G25 2012-11; G37 2013-11; M35H 2013-12; M37 2013-11; M56 2013-11; Q50 2014; Q60 2014; Q70 2014; Infiniti Truck EX35 2012-11; EX37 2013; FX35 2012-11; FX37 2013; FX50 2013-11; QX50 2014; QX56 2013-11; QX70 2014; QX80 2014
Isuzu	Truck I-290 2008-07; I-370 2008-07
Lexus	ES300H 2014-13; ES350 2014-13; LS460 2014-13; LS600H 14-13
Mercedes-Benz	CL550 2009-07; CL600 2009-07; CL63 AMG 2009-08; CL65 AMG 2009-08; CLS500 2006; CLS55 AMG 2006; CLS550 2011-07; CLS63 AMG 2011-07; E300 2009; E320 2009-06; E350 2009-06; E500 2006; E55 AMG 2006; E550 2009-07; E63 AMG 2009-07; R320 2009-07; R350 2009-06; R500 2007-06; R63 AMG 2007 S400 2010; S450 2009; S550 2010-07; S600 2009-07; S63 AMG 2010-08; S65 AMG 2010-07; SL500 2006; SL55 AMG 2008-06; SL550 2011-07; SL600 2009-06; SL63 AMG 2011-09; SL65 AMG 2011-06; Mercedes-Benz Truck GL320 2009-07; GL450 2009-07; GL550 2009-08; ML320 2009-07; ML350 2009-06; ML500 2007-06; ML550 2009-08; ML63 AMG 2009-07; Sprinter 2500 2015-10; Sprinter 3500 2015-10
Nissan	370Z 2014-11; Cube 2014-12; Leaf 2014-11; Nissan Truck Juke 2014-13; Quest 2014-11
Scion	FR-S 2014-13
Subaru	BRZ 2014-13; Forester 2014-08; Impreza 2014-08; Legacy 2014-05; Outback 2014-04; XV Crosstrek 2014-13; Subaru Truck B9 Tribeca 2007-06; Tribeca 2014-08
Toyota	Avalon 2014-13; Camry 2014-12; Corolla 2015-14; Prius C 2014-12; Toyota Truck RAV4 2013
Volkswagen	Beetle 2010-07; CC 2011-09; EOS 1011-07; Golf 2011-10; GTI 2012-06; Jetta 2013-06; Passat 2010-06; R32 08; Rabbit 2009-06; Volkswagen Truck Tiguan 2011-09
Volvo	S60 2009-02; S80 2006-02; V70 2007-02; XC70 2007-03; Volvo Truck XC90 2014-0 3

Tire Hardware REDI-Sensor™



BK **92-3307**



BK **92-3308**

REDI-SENSOR™ TPMS SENSOR — 315/314.9 MHZ

Aftermarket valve sensor assemblies include all component parts. Manufactured in same ISO-Certified facilities to the same quality standards as OE parts. Duplicates original equipment in fit and function. Contains: Cap, Core, Nut, Washer and Seal.

BK **92-3307** TPM Sensor
BK **92-3308** Replacement Rubber Snap-In Valve

Applications

Make	Model
Buick	Allure 10-07; Enclave 14-08; Encore 15-13; LaCrosse 15-07; Lucerne 11-07; Rainier 07-06; Regal 15-11; Verano 15-12
Cadillac	ATS 15-13; CTS 15-04; DTS 11-06; ELR 14; Escalade 14-07; Escalade ESV 14-07; Escalade EXT 13-07; SRX 15-04; STS 11-05; XLR 09-04; XTS 15-13
Chevrolet	Camaro 15-10; Cobalt 10-08; Corvette 13-05; Cruze 15-11; HHR 11-08; Impala 15-06; Impala Limited 15-14; Malibu 15-08; Malibu Classic 08; Monte Carlo 07-06; Orlando 12; Sonic 15-12; Spark 15-13; SS 14; Volt 15-11
Chevrolet Truck	Avalanche 13-07; Captiva Sport 14-12; Colorado 15; Equinox 15-07; Express 1500 1/2 Ton Van 14-08; Express 2500 3/4 Ton Van 14-08; Express 3500 1 Ton Van 14-08; Express 4500 14-12; Silverado 1500 1/2 Ton 15-07; Silverado 1500 Class 1/2 Ton 07; Silverado 1500HD Classic 1/2 Ton 07; Silverado 2500HD 3/4 Ton 14-07; Silverado 2500HD Classic 3/4 Ton 07; Silverado 3500 Classic 1 Ton 07; Silverado 3500HD 1 Ton 14-07; SSR 06; Suburban 1500 1/2 Ton 14-07; Suburban 2500 3/4 Ton 13-07; Tahoe 14-07; Trailblazer 09-06; Traverse 14-09; Trax 15-13; Uplander 09-08
Chrysler	200 14-11; 300 07-05; Aspen 09-07; Crossfire 08-05; Intrepid 04-02; Pacifica 08-04; PT Cruiser 10-08; Sebring 10-07; Town & Country 07-04
Dodge	Avenger 14-08; Caliber 12-07; Charger 07-06; Magnum 07-05
Dodge Truck	Caravan 07-04; Dakota 10-08; Durango 09-07; Grand Caravan 07-04; Nitro 11-07; Ram 2500 Mega Cab 3/4 Ton 09-08
Ford	C-Max 15-13; Crown Victoria 11-07; Fiesta 15-11; Five-Hundred 07-06; Focus 15-07; Fusion 15-07; Mustang 14-07; Taurus 15-08
Ford Truck	E150 1/2 Ton Econoline Van 14-07; E250 3/4 Ton Econoline Van 14-07; E350 Super Duty 1 Ton 14-07; E450 Super Duty 1-1/2 Ton 14-12; Edge 14-07; Escape 14-05; Expedition 15-05; Explorer 15-06; Explorer Sport Trac 10-07; F150 1/2 Ton 14-07; F250 Super Duty 3/4 Ton 15-07; F350 Super Duty 1 Ton 15-07; F450 Super Duty 1-1/2 Ton 14-07; Flex 15-09; Freestar 07-04; Ranger 11-07; Taurus X 09-08; Transit-150 15; Transit-250 15; Transit-350 15; Transit-350HD 15; Transit Connect 15-10
GMC Truck	Acadia 14-07; Envoy 09-05; Envoy XL 06-06; Envoy XUV 05; Savana 1500 1/2 Ton Van 14-08; Savana 2500 3/4 Ton Van 14-08; Savana 3500 1 Ton Van 14-08; Savana 4500 14-12; Sierra 1500 1/2 Ton 15-07; Sierra 1500 Classic 1/2 Ton 07' Sierra 1500HD Classic 1/2 Ton 07; Sierra 2500HD 3/4 Ton 14-07; Sierra 2500HD Classic 3/4 Ton 07; Sierra 3500 Classic 1 Ton 07; Sierra 3500HD 1 Ton 14-07; Terrain 15-10; Yukon 14-07; Yukon XL 1/2 Ton 14-07; Yukon XL 3/4 Ton 13-08
Hummer	H2 09-08
Hyundai	Accent 14-12; Elantra 13-09; Genesis 13-10; Santa Fe 14-13; Sonata 13-11
Infiniti	EX35 10-08; FX35 10-03; FX45 08-03; FX50 10-09; G35 08-03; G37 10-08; M35 10-06; M45 04-03; M45 10-06; Q45 06-03; QX4 03; QX56 10-04
Isuzu	Ascender 08-06
Jeep	Commander 07-06; Compass 15-07; Grand Cherokee 07-05; Liberty 12-05; Patriot 15-07; Wrangler 12-07
Kia	Forte 13-10; Optima 13-11; Sorento 13-11; Soul 13-10
Lincoln	Mark LT 08-07; MKC 15; MKS 15-09; MKT 15-10; MKX 15-07; MKZ 15-07; Navigator 15-05; Town Car 11-06
Mazda	2 14-11; 3 13-04; 5 10-06, 14-12; 6 13-05; B2300 Pickup 09-07; B3000 Pickup 07; B4000 Pickup 09-07; CX-7 12-07; CX-9 14-07; MX-5 Miata 14-06; RX-B 11-04; Tribute 06, 11-08
Mercury	Grand Marquis 11-06; Mariner 11-06; Milan 11-07; Montego 07-06; Mountaineer 10-06; Sable 09-08
Mitsubishi	Eclipse 12-06; Endeavor 11-10, 08-06; Galant 12-07; i-MiEV 14, 12; Lancer 14-08; Mirage 14; Montero 06-03; Montero Sport 04-03; Outlander 14-07; Outlander Sport 14-11; Raider 09-08
Nissan	350Z 09-04; 370Z 10-09; Altima 12-06; Armada 14-05; Cube 12-09; Frontier 14-03; GT-R 15-09; Juke 12-11; Maxima 14-06; Murano 14-09, 07-03; NV200 14-13; Pathfinder 12-03; Quest 09-04; Rogue 13-08; Sentra 14-07; Titan 14-04; Versa 15-07; Versa Note 15-14; Xterra 14-03
Pontiac	G5 10-05; G8 09-08; Grand Prix 09-07; Solstice 09-08; Torrent 09-07
Ram	Dakota 11
Saab	9-4X 11; 9-5 11-10; 9-7X 09-05
Saturn	Astra 09; Aura 09-07; Outlook 10-07; Sky 10-07; Vue 10-07
Suzuki	Forenza 08-07; Kizashi 13-10; Reno 08-07; XL-7 09-07

REDI-Sensor™



TPMS REDI-SENSOR™ INSTALLER KITS

REDI-Sensor™ installer kits ensure you have the parts you need at your fingertips and all in one place. Simple, easy to access compartments. Key with pictograms for quick reference. Extra space for expansion. Ready to refill. Installs right out of the box, no sensor programming/cloning. No training required - designed to follow existing OE vehicle relearn procedures. Works with all major TPMS scan tools. Faster TPMS scan tool hunt mode.

Item No.	Contents
BK **92-5000**	Contains (1) *BK* **92-3304** Sensor, (1) *BK* **92-3303** Sensor, (1) *BK* **92-3306** Sensor, (1) *BK* **92-3305** Sensor and (4) *BK* **92-3312** Service Kits
BK **92-5001**	Contains (4) *BK* **92-3304** Sensor, (4) *BK* **92-3303** Sensor, (4) *BK* **92-3306** Sensor, (4) *BK* **92-3305** Sensor and (16) *BK* **92-3312** Service Kits

Ken-Tool
WHEREVER TIRES ARE CHANGED™



TPMS SENSOR HARDWARE SERVICE SET

Includes

- 150 Hardware replacement kits covering 15 unique OEM sensor models
- Each hardware kit contains a valve core, valve cap, grommet ferrule nut, gaskets, washers and valve stem (contents specific to each application)
- Special Bonus — Ken-Tool's TPMS Sentry™ Sensor Service Tool (*SPC* **30209**)
- Includes the new rubber snap-in valve stem kits with sensor screws used by GM
- Complete Vehicle Application Guide — this set covers 90-95% of TPMS-fitted vehicles
- Plus 50 extra TPMS approved nickel plated valve cores and 50 extra approved plastic caps (in 3" x 9" x 16" Portable Poly Case, 3-lbs.)
- Replacement hardware kits available from Ken-Tool

SPC **30001**

REDI-Sensor™



REDI-SENSOR™ SERVICE KITS

Replacement parts and service kits for REDI-Sensor™ are available and include seal/washer, valve core, hex nut, and cap. Replacements are also available for the sensor's durable metal valve stem, which is reusable.

BK **92-3312**

NAPA Tire Hardware



TIRE PRESSURE MONITORING SYSTEM SENSOR CAP

TPMS grey plastic valve seal caps are designed specifically to guard against moisture buildup on valve stem.
Pack of 25.

NTH **92-0250**

Ken-Tool
WHEREVER TIRES ARE CHANGED™





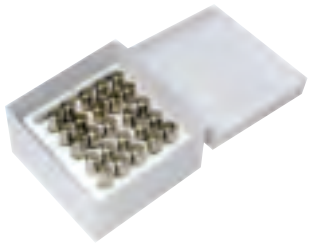
Repair TPMS Sensors without even taking the tires off the vehicle.

RECORE™ SENSOR SAVER SYSTEM

Ken-Tool's patent pending reCore Starter Kit includes everything you need to service your TPMS sensor replacement customers: 12 TPMS sensor savers, TPMS valve core torque tool (preset at 4-in.-lbs.), high speed dual cutter countersink drill bit, tap, tap holder with t-handle, bottle Ken-Lok™ thread sealant, easy to follow instructions and blow-molded plastic storage case.

SPC **29980**

Ken-Tool
WHEREVER TIRES ARE CHANGED™



RECORE™ SENSOR SAVER REFILL KIT
Ken-Tool's patent pending reCore refill kit includes 25 TPMS sensor savers plus a fresh tap.
SPC **29981**

Ken-Tool
WHEREVER TIRES ARE CHANGED™



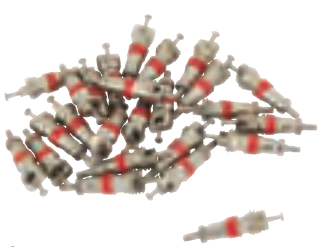
DIY RECORE® TPMS STEM REPAIR KIT
Easily repair damaged aluminum TPMS valve stems that have been damaged by corrosion from weather, steel valve caps, and improper valve cores. Without having to remove the wheel or demount the tire, consumers can repair their TPMS sensors with this simple and economical repair kit. Repairs can be completed in 20 minutes. Kit contains 2 replacement stems, to repair 2 TPMS sensors, custom high-speed drill bit, tap and tap holder, thread locker, and a valve core torque tool. PATENTED.
SPC **29975**

NAPA Tire Hardware



LONG SKIRTED VALVE CAP
Long skirted black plastic valve cap for TPMS Rubber Snap-In Valves. Pack of 50.
NTH **92-0995-2**

NAPA Tire Hardware



NICKEL-PLATED VALVE CORES
TPMS Electroless nickel-plated valve cores for use with aluminum valve stem only. Failure to use Electroless nickel-plated core results in galvanic corrosion and eventual tire pressure loss. Pack of 25.
NTH **92-0255**

NAPA ServiceTools



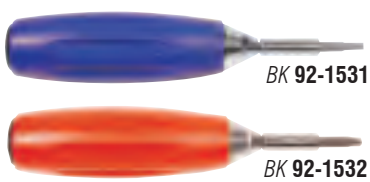
TIRE PRESSURE MONITORING SYSTEM TIRE DEFLATOR SET
Quickly evacuates air from tires without removing the valve core. Simply replace standard sized valve cap with this handy tool! The special design depresses the pin in the valve core. Large openings on the sides of the tool allow air to escape quickly. Tools are marked so tires can be returned to their original position on the vehicle and TPMS will not need to be reset. Shipping Weight: 5 oz.
SER **77-4038**

Bartec USA



TPMS MECHANICAL TOOL KIT
Includes ergonomic torque wrench, valve core torque driver, T-10 "snap-in" preset torque driver, T-20 preset torque driver, digital tire pressure gauge, multi purpose grommet tool, TPMS Toyota reset tool, TPMS sensor fishing tool and heavy-duty carrying case.
BK **92-1529**

Bartec USA



TIRE PRESSURE MONITORING SYSTEM TORQUE TOOL
Correctly tighten the Torx® screw that holds the sensor to the rubber valve. Preset to prevent over tightening.
BK **92-1531** T-10 Torque Driver, 12 in-lbs.
BK **92-1532** T-20 Torque Driver, 35 in-lbs.

NAPA Tire Hardware



TIRE PRESSURE MONITORING SYSTEM SERVICE TOOL
Screwdriver style valve core torque tool features plastic handle for better grip, metal shaft for added durability, and convenient pocket clip.
NTH **92-1502**

Bartec USA



VALVE CORE TORQUE TOOL
Correctly tighten the valve core on TPMS sensors to the preset torque. Prevents over tightening.
BK **92-1537**



TPMS TORQUE WRENCH
Properly tighten and torque the TPMS sensor nuts quickly, accurately, and ergonomically. Preset to 20 – 90 lbs with 11mm and 12mm sockets.
BK **92-1533**



TPMS GROMMET TOOL
Grommet tool removes 11mm and 12mm sensor stem nuts.
BK **92-1534**



DIGITAL TIRE PRESSURE GAUGE
Digital gauge quickly and accurately measures tire pressure. Accurate to .5 PSI.
BK **92-1536**



SENSOR FISHING TOOL
Attaches to threaded end of valve stem and allows the sensor to drop inside the tire for safe handling during tire removal.
BK **92-1535**

NAPA Tire Hardware

TUBELESS SNAP-IN VALVES
These 7/8" valves fit industrial vehicles with .453" rim hole diameter. Not for use on tires exceeding 65 PSI or rims exceeding .156" thickness.

Qty.	Item No.	Tire & Rim No.
.453 In. Rim Holes		
1	*NTH* **90-412**	412
10	*NTH* **90-412-1**	412
500	*NTH* **90-412-5**	412



NAPA Tire Hardware



TUBELESS SNAP-IN TIRE VALVES
Valve core and plastic clap conform to original equipment standards. Ozone resistant rubber materials. Not for use on tires exceeding 65 PSI or rims exceeding .156" thickness.

Qty.	Item No.	Tire & Rim No.	Length
.453 In. Rim Holes			
4	*NTH* **90-413**	TR 413	1.25"
10	*NTH* **90-413-1**	TR 413	1.25"
50	*NTH* **90-413-2**	TR 413	1.25"
100	*NTH* **90-413-3**	TR 413	1.25"
500	*NTH* **90-413-5**	TR 413	1.25"
4	*NTH* **90-414**	TR 414	1.5"
10	*NTH* **90-414-1**	TR 414	1.5"
50	*NTH* **90-414-2**	TR 414	1.5"
100	*NTH* **90-414-3**	TR 414	1.5"
500	*NTH* **90-414-5**	TR 414	1.5"
4	*NTH* **90-418**	TR 418	2"
10	*NTH* **90-418-1**	TR 418	2"
50	*NTH* **90-418-2**	TR 418	2"
100	*NTH* **90-418-3**	TR 418	2"
500	*NTH* **90-418-5**	TR 418	2"
4	*NTH* **90-423**	TR 423	2.5"
10	*NTH* **90-423-1**	TR 423	2.5"
50	*NTH* **90-423-2**	TR 423	2.5"
100	*NTH* **90-423-3**	TR 423	2.5"
500	*NTH* **90-423-5**	TR 423	2.5"
.625 In. Rim Holes			
4	*NTH* **90-415**	TR 415	1.25"
10	*NTH* **90-415-1**	TR 415	1.25"
50	*NTH* **90-415-2**	TR 415	1.25"
100	*NTH* **90-415-3**	TR 415	1.25"
500	*NTH* **90-415-5**	TR 415	1.25"
4	*NTH* **90-425**	TR 425	2"
10	*NTH* **90-425-1**	TR 425	2"
50	*NTH* **90-425-2**	TR 425	2"
100	*NTH* **90-425-3**	TR 425	2"
500	*NTH* **90-425-5**	TR 425	2"

Warning: Do not exceed a cold inflation pressure of 65 PSI on tires with conventional snap-in valves, and do not use valves with rims greater than .156" thick.



CHROME SLEEVE SNAP-IN VALVES
Valves with high-performance cap fit

Qty.	Item No.	Tire & Rim No.	Description
.453 In. Rim Holes			
4	*NTH* **90-434**	TR 413	1.25"
100	*NTH* **90-435-3**	TR 413	1.25"
4	*NTH* **90-436**	TR 418	2"

Tire Hardware

CHROME SLEEVE & CAP KITS
Turn snap-in valves into chrome sleeve valves with 4 caps and 4 sleeves per set.



Qty.	Item No.	Description
4	*NTH* **90-435**	Fits *NTH* **90-413**
4	*NTH* **90-437**	Fits *NTH* **90-418**

TUBELESS HIGH-PRESSURE SNAP-IN VALVES
Suitable for light truck, automotive, and other high-pressure applications. Rated for tire pressures from 80 to 100 PSI. Includes valve core and metal cap.



Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
4	*NTH* **90-442**	TR 600HP	1.25"	.453"
50	*NTH* **90-442-2**	TR 600HP	1.25"	.453"
500	*NTH* **90-442-5**	TR 600HP	1.25"	.453"
4	*NTH* **90-443**	TR 602HP	2"	.453"
50	*NTH* **90-443-2**	TR 602HP	2"	.453"
.625 In. Rim Holes				
4	*NTH* **90-444**	TR 801HP	1.25"	.625"
50	*NTH* **90-444-2**	TR 801HP	1.25"	.625"

Warning: These special purpose snap-in valves should not be used on tire rims greater than .204" thick.

CLAMP METAL VALVE
Valve includes rubber grommets. 150 PSI max.



Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453/.625 In. Rim Holes				
1	*NTH* **90-416**	TR 416	1.25"	.453"/.625"

TIRE VALVE WASHER KIT
Rubber washer replacement kit for *NTH* **90-416**.

NTH **90-431** Blister Pack

Contents



Qty.	Description
5	.453" washers
5	.625" washers



CLAMP METAL VALVE
For front wheel drive. Used on Cadillac El Dorado and Olds Toronado through 1978 model year.

Qty.	Item No.	Tire & \Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
1	*NTH* **90-417**	TR 417	1.5"	.453"

UNIVERSAL CLAMP-IN VALVE
Universal style designed for mag, chrome and other sport wheels. Heat-resistant core and caps with grommets for .453" and .625" rim holes.

NTH **90-432**



HIGH-PERFORMANCE CLAMP-IN VALVE
Bright chrome finish. 150 PSI max.



Qty.	Item No.	Length	Rim Hole Diameter
.453 In. Rim Holes			
1	*NTH* **90-438**	1.25"	.453"

TUBE-TYPE PASSENGER VALVE
Specially compounded gum base bonds to tubes using hot or cold chemical bond application. Base measures 2.25" in diameter.
Shank measures .460" in diameter.



Qty.	Item No.	Tire & Rim No.	Length	Rim Hole Diameter
.453 In. Rim Holes				
4	*NTH* **90-156**	TR 13	1.25"	.453"

RIM HOLE BUSHINGS
Fits over shank of *NTH* **90-156** tube valve to prevent shifting in .625" rim holes. Pack of 10.

NTH **90-125**



TUBELESS BRASS TRUCK CLAMP-IN STYLE VALVES
Used in one-piece drop center rims with .625" diameter side-mounted rim hole.

Qty.	Item No.	Tire & Rim No.	Effective Length
.625 In. Rim Holes			
1	*NTH* **90-251**	TR 575	1.125"
25	*NTH* **90-251B**	TR 575	1.125"
1	*NTH* **90-252**	TR 500	2"
25	*NTH* **90-252B**	TR 500	2"
1	*NTH* **90-254**	TR 570	3.125"
25	*NTH* **90-254B**	TR 570	3.125"
1	*NTH* **90-256**	TR 571	3.375"
25	*NTH* **90-256B**	TR 571	3.375"
1	*NTH* **90-259**	TR 572	3.75"
25	*NTH* **90-258B**	TR 572	3.75"
1	*NTH* **90-260**	TR 573	4.375"
25	*NTH* **90-260B**	TR 573	4.375"
1	*NTH* **90-262**	TR 501	1.5"
25	*NTH* **90-262B**	TR 501	1.5"
1	*NTH* **90-263**	TR 574	5"
25	*NTH* **90-263B**	TR 574	5"



NTH **90-260**

NTH **90-251**

Specifications subject to change with out notice. Units may not be exactly as pictured.

NAPA Tire Hardware

TRUCK TIRE VALVE

Brass truck tire valve is 1.5" long and designed for the Firestone 16 x 6KS wheel with oval valve hole. Completely assembled with grommet, washers, hex nut, valve core and cap.

NTH **90-282**

Warning: Rim valve holes should always be inspected for burrs and cleaned if necessary.





TIRE VALVE STEM REPAIR KITS

	Contents	
	NTH **90-247**	*NTH* **90-248**
EPDM Rubber Grommets	5 Qty	5 Qty
Brass Hex Nuts	5 Qty	5 Qty
Brass Washers	5 Qty	—

Item No.	Description
NTH **90-247**	For TR500 Series Truck Tire Valves.
NTH **90-248**	For TR509 Series Truck Tire Valves.



NTH **90-140**

SCREW-ON REPAIR VALVE

5" long brass repair valve with 90° single bend. Can be converted to double bend with bridge washer.

1/pack Item No.	25/pack Item No.	Tire & Rim Number	Straight Length
NTH **90-140**	*NTH* **90-140B**	TR 1078A	5.0"
NTH **90-148**	*NTH* **90-148B**	TR 1179A	5.313"



TIRE VALVE STEM CORE HOUSING

Core Housing Fits Old Style TR218 & TR220 Air Liquid Agricultural Valves. Tire and rim number: TR CH-1.

NTH **90-232**



NTH **90-275**

NTH **90-277**

NICKEL-PLATED BRASS VALVES FOR ALUMINUM DISC WHEELS

Single bend valve has 90° bend. For use with one-piece drop center aluminum disc wheels with .625" rim hole diameter.

Qty.	Item No.	Tire & Rim No.	Effective Length	Bend Angel
.625 In. Rim Holes				
1	*NTH* **90-275**	TR 509	4.75"	90°
1	*NTH* **90-279**	TR 510	5.5"	90°
25	*NTH* **90-276B**	TR 510	5.5"	90°
1	*NTH* **90-277**	TR 511	4.25"	90°

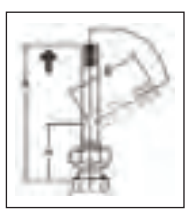
NTH **90-248** Valve Repair Kit (Includes all of the above valves)



NTH **90-288**



NTH **90-283**



NICKEL-PLATED VALVES FOR ALCOA ALUMINUM WHEELS (METRIC)

Special-purpose valves feature heat-resistant O-ring seal and include heat-resistant valve core and heavy-duty, nickel-plated valve cap.

Item No.	Tire & Rim No.	Rim Hole Size	Height	Bend Angle	Length
NTH **90-283**	TR 543	9.7mm	2.4	—	—
NTH **90-284**	TR 543D	9.7mm	.98	60°	1.38
NTH **90-285**	TR 543E	9.7mm	.98	75°	1.38
NTH **90-287**	TR 544	9.7mm	2.9	—	—
NTH **90-288**	TR 544D	9.7mm	.98	60°	1.94
NTH **90-281**	TR 545D	9.7mm	.98	60°	2.60



AIR LIQUID TIRE VALVE

Includes removable core housing *NTH* **90-238**. Also includes valve core, cap hex nut, rubber grommet and washer. Length is 1⅞". Tire and rim number: TR 618A.

NTH **90-226**

TUBELESS VALVES FOR IMPORT TRUCKS

Designed for Mack, Iveco, and Volvo-White trucks. Fits .382" (9.7mm) rim hole. Includes sealing O-ring, hex nut, valve core and cap.

Item No.	Michelin No.	Retro No.	Din No.	A	B	C	D
NTH **90-295**	964	VS-20-1	41MS9.7	—	—	1.42/36*	—
NTH **90-299**	1485	VS-20-4	87MS9.7	.95/25*	2.36/60*	—	27°
NTH **90-301**	1427	VS-20-6	—	.98/25*	3.35/85*	—	27°

**** Inches/millimeters***





Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware



TIRE VALVE RIM HOLE PLUG
RG-46 EPDM rubber grommet for the TR509 series valves. Pack of 10.
NTH **90-253**



TIRE VALVE STEM RUBBER GROMMETS
Replacement grommets for TR500 series truck tire valves. Contains (10) RG-15 EPDM rubber grommets. Pack of 10.
NTH **90-250**



NTH **90-222**



NTH **90-238**

TUBE-TYPE REAR WHEEL AGRICULTURAL VALVE
Agricultural valve with removable core housing to permit filling tire with ballast material more quickly. Includes core housing, rim nut, core and cap.

Item No.	Tire & Rim No.	Base Diameter
NTH **90-222**	Rear Wheel Valve TR 218A	2½"
NTH **90-238**	Core Housing TR CH3	—



TIRE VALVE PLASTIC RIM NUT
Designed for use with air liquid tire valves *NTH* **90-222**. Pack of 10. Tire and rim number: LN-10.
NTH **90-228**



AIR LIQUID TIRE INFLATOR ADAPTER
Screws onto .482"-32 thread of all air liquid valves. Includes two bushings to fit .305"-32 valve cap threads and .406"-28 threads of old style air liquid valves. 3 pc. set.
NTH **90-234**



TIRE VALVE ADAPTER GUN & CORE EJECTOR
Used with liquid filling tires. Features ½" female thread that attaches to any calcium tire filling pump. Extracts core or core housing into the gun body while filling the tire or evacuating liquid ballast. Brass and stainless steel parts.
NTH **90-235**



SWIVEL VALVE ASSEMBLIES
Includes spud, valve core and cap.

Item No.	Tire &Rim No.	Height	Length	Degree of Bend
NTH **90-826**	J650-03	.234	3.125	80°
NTH **90-830**	J651-03	1.266	4.69	90°



SWIVEL TUBELESS VALVES
Includes stem only.

Item No.	Tire & Rim No.	Height	Length	Degree of Bend
NTH **90-828**	J651-03	.234	4.69	90°
NTH **90-837**	J4000-9	.234	9	90°
NTH **90-839**	J4000-27½	1.078	27.5	90°

MOTORCYCLE TIRE VALVE
Full-threaded, 1.19" stem accommodates different rim thicknesses and fits .327" valve holes. Tire and rim number TR 430.
NTH **90-426**



INDUSTRIAL TANK VALVES
Tank valves include valve core and metal valve cap. Thread size is ⅛" NPT. Features operating range of -75° to 400° F. Max 200 PSI.

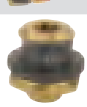
Item No.	Description	Effective Length
NTH **90-290**	Tank Valve	.906"
NTH **90-294**	Tank Valve	.531"



Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware

LARGE BORE VALVES

Item No.	Description	Tire & Rim No.	Length	Rim Hole Diameter	Degree of Bend	
NTH **90-836**	**Large Bore Valve** — Includes core, cap, and O-ring. Does not include spud.	TR J-670-2	1.5"	—	—	
NTH **90-842**	**Non-Swiveling Double Bend Valve** — For use primarily on planetary gear wheels.	—	4.6875"	.8125"	28° and 152°	
NTH **90-890**	**Large Bore Core Housing** — Agriculture type super large bore air liquid core housing has standard core and cap size. O-rings provide added protection against corrosion.	—	—	—	—	
NTH **90-800**	**Tubeless Tire Valve Spud** — For swivel valves. Used with stems to form complete assemblies.	TR SP-2	.6875	.8125"	—	
NTH **90-874**	**Clamp-In Tire Valve Spud**	—	—	.5"	85°	
NTH **90-875**	**Clamp-In Tire Valve Spud** — Features locking nut with Teflon seal allowing spud to be moved to any position.	—	—	.8125"	85°	
NTH **90-881**	**Large Bore Brass Valve** — Includes complete core housing and tubeless spud	—	2.34"	.8125"	—	
NTH **90-877**	**Clamp-In Tire Valve Spud** — Attaches any super large bore valve to rim. Tire must be dismounted to install spud.	—	—	.8125"	—	
NTH **90-873**	**Clamp-In Tire Valve Spud** — Large bore clamp-in spud can be installed or changed without dismounting the tire. Use 3/8" Allen wrench to tighten.	—	—	.8125"	—	

TIRE VALVE ADAPTER

Converts large bore valve to standard valve mouth. Tire and rim number TR AD-1.

NTH **90-200**



HEAVY-DUTY TIRE VALVE CAP

Heavy-duty valve cap designed to fit the *NTH* **90-200** adapter. Screwdriver slot removes and inserts large bore cores. Tire and rim number: TR VC-4. Pack of 10.

NTH **90-192**



NTH **90-194**



NTH **90-196**



TIRE VALVE CAPS

Qty.	Item No.	Tire & Rim No.	Description
10	*NTH* **90-194**	TR VC-6	Screwdriver slot on cap allows insertion and removal of *NTH* **90-106** valve core. Fits .482"-26 stem threads.
10	*NTH* **90-196**	TR VC-7	Hex top allows wrench tightening. First .482"-26 stem threads.

DOUBLE SEAL VALVE CAP

Positive sealing valve cap works with any tire valve cap but is ideal for high-pressure truck tires. Double O-ring seal allows regular air service without removal from stem.

NTH **90-191** Pack of 10
NTH **90-191-4** Pack of 4



LONG SKIRTED VALVE CAP

Long skirted black plastic valve cap for TPMS Rubber Snap-In Valves. Pack of 50.

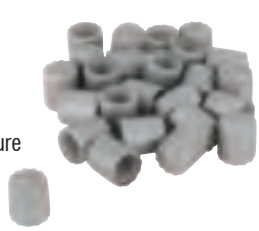
NTH **92-0995-2**



TIRE PRESSURE MONITORING SYSTEM SENSOR CAP

TPMS grey plastic valve seal caps are designed specifically to guard against moisture buildup on valve stem. Pack of 25.

NTH **92-0250**



Specifications subject to change with out notice. Units may not be exactly as pictured.





NITROGEN TIRE VALVE CAPS

NTH **90-180G-3** *NTH* **90-181G-3** *NTH* **90-187G-3**

Nitrogen dust caps protect valve core from water and debris.

Qty.	Item No.	Description
100	*NTH* **90-180G-3**	Bright green plastic
100	*NTH* **90-181G-3***	Dark green plastic with seal
100	*NTH* **90-187G-3***	Dark green metallic with seal

Appropriate for custom wheel applications/TPMS







NTH **90-180** *NTH* **90-184** *NTH* **90-186** *NTH* **90-187-4** *NTH* **90-190**

TIRE VALVE CAPS STANDARD BORE

Qty.	Item No.	Tire & Rim No.	Description
100	*NTH* **90-180**	TR VC-8	Plastic dust cover Silicone Seal. Black
100	*NTH* **90-184**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone Seal
25	*NTH* **90-184-1**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone Seal
4	*NTH* **90-184-4**	TR VC-2	Nickel-plated brass cap with core extractor head. Silicone Seal
25	*NTH* **90-186**	—	Dome cap with heavy-duty Silicone Seal for high temp conditions. Chrome finish
4	*NTH* **90-187-4**	—	Dome cap with chrome finish. Silicone Seal
100	*NTH* **90-190**	TR VC-3	Nickel-plated brass. Dome cap Silicone Seal

NOTE: Not for use with TPMS valves.




NTH **90-100** *NTH* **90-108**

STANDARD BORE TIRE VALVE CORES

Qty.	Item No.	Tire & Rim No.	Description
5	*NTH* **90-100**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
25	*NTH* **90-100-1**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
1 Pack of 25	*NTH* **90-100-1PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
100	*NTH* **90-100-3**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
1 Pack of 100	*NTH* **90-100-3PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
200	*NTH* **90-100-4PK**	TR C-1	All-purpose valve core for use in all automotive and truck applications. Heat-resistant barrel and cup.
100	*NTH* **90-108**	TR C-4	Valve core for use on buses and trucks and appropriate for high and low temperature extremes.

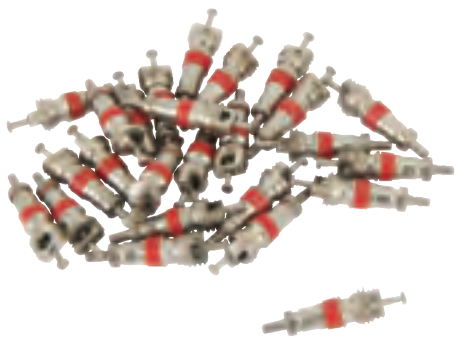
NAPA Tire Hardware

LARGE BORE TIRE VALVE CORES



For large bore valves. Made with special rubber compound for an effective seal in high-pressure and high-temperature conditions. Pack of 10.

NTH **90-106**



NICKEL-PLATED VALVE CORES

TPMS Electroless nickel-plated valve cores for use with TPMS valves. Failure to use Electroless nickel-plated core results in galvanic corrosion and eventual tire pressure loss. Pack of 25.

NTH **92-0255**

TIRE VALVE CORE HOUSING



Super large bore core housing includes O-ring seal, valve core and cap. Compatible with flexible extensions.

NTH **90-879**







NTH **90-319** *NTH* **90-320** *NTH* **90-324** *NTH* **90-325** *NTH* **90-326**

TIRE VALVE EXTENSIONS

Qty.	Item No.	Description
4	*NTH* **90-319**	¾" Metal Valve Extensions
50	*NTH* **90-319-2**	¾" Metal Valve Extensions
4	*NTH* **90-320**	1¼" Metal Valve Extensions, 100 PSI Max.
50	*NTH* **90-320-2**	1¼" Metal Valve Extensions
4	*NTH* **90-324**	¾" Plastic Valve Extensions
50	*NTH* **90-324-2**	¾" Plastic Valve Extensions
4	*NTH* **90-325**	1¼" Plastic Valve Extensions
50	*NTH* **90-325-2**	1¼" Plastic Valve Extensions
4	*NTH* **90-326**	1½" Plastic Valve Extensions
50	*NTH* **90-326-2**	1½" Plastic Valve Extensions

Specifications subject to change with out notice.
Units may not be exactly as pictured.

Tire Hardware

TRUCK VALVE EXTENSIONS

Standard valve extensions screw onto the .305"-32 valve cap threads of bus and truck valves making them more accessible to normal air service.

Qty.	Item No.	Effective Length
1	*NTH* **90-302**	3.06"
25	*NTH* **90-302B**	3.06"
1	*NTH* **90-305**	6.06"
1	*NTH* **90-304**	6.06"
25	*NTH* **90-304B**	6.06"
1	*NTH* **90-306**	5.06"
25	*NTH* **90-306B**	5.06"
1	*NTH* **90-312**	2.25"
25	*NTH* **90-312B**	2.25"
1	*NTH* **90-314**	4.44"
25	*NTH* **90-314B**	4.44"

NTH **90-305**



NTH **90-302**

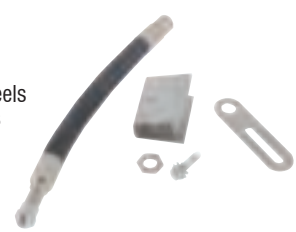
FLEXIBLE VALVE EXTENSIONS



Flexible extensions featuring braided steel hose for protection against cuts and abrasions. Includes metal valve cap and built-in clamp for securing to outer wheel cut out.

NTH **90-329** 7" Extension
NTH **90-330** 10" Extension

DUAL WHEEL FLEXIBLE VALVE EXTENSIONS



Flexible valve extensions are 6.3" to provide easy access to inner dual wheels on campers, RVs and light trucks. Fits onto standard valve cap threads and includes clamp for securing wheel cut out.

NTH **90-315** Pack of 1
NTH **90-315B** Pack of 25

VALVE STABILIZER KITS



NTH **90-327**

Designed for Alcoa aluminum wheel truck valves. Kits contain 2 rubber stabilizers and 2 metal extensions with effective length of 5". 1" Collar extends beyond valve threads providing additional support. Rubber stabilizer supports valve stem and extension assembly to protect stem from breakage due to road vibration.

Item No.	Description
NTH **90-327**	Rubber stabilizer fits standard 2" outer wheel hand hole. For 22½" Alcoa Wheel.
NTH **90-328**	Rubber stabilizer fits standard 2.19" outer wheel hand hole. For 24½" Alcoa Wheel.

RIGID TIRE VALVE EXTENSIONS

Rigid, all-metal construction for mounting in a straight line with valve mouth. Valve core activated by full-length plunger pin. Fits .482"-26 large bore valve thread. Hex nuts included on valves 5" and longer.

Item No.	Effective Length
NTH **90-852**	3"
NTH **90-854**	4"
NTH **90-856**	4.5"
NTH **90-858**	5"
NTH **90-860**	5.5"
NTH **90-862**	7.25"
NTH **90-864**	7.75"
NTH **90-866**	10.75"
NTH **90-868**	12.5"
NTH **90-870**	18.75"



NTH **90-852**



NTH **90-856**

LARGE BORE FLEXIBLE VALVE EXTENSION



Includes all hardware needed to produce a factory quality extension in the field. Requires *NTH* **90-883** assembly tool.

NTH **90-876**



TIRE PRESSURE MONITORING SYSTEM SERVICE TOOL

Screwdriver style valve core torque tool features plastic handle for better grip, metal shaft for added durability, and convenient pocket clip.

NTH **92-1502**



CORE DRIVER & DEFLATING TOOL

Aids in grommet seating and in core installation and removal.

NTH **90-992**



HEX NUT DRIVER

Aids in mounting straight, tubeless truck valves. Hollow shank accommodates most valve lengths.

NTH **90-359**



CORE EXTRACTOR TOOL

Damaged core extractor features hardened steel shank and easy grip plastic handle.

NTH **90-365**

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware



TIRE VALVE ADAPTER
Designed to insert or extract core housing and hold it in the adapter body out of air or liquid flow while filling or evacuating tire. When adapter is attached to pressure valve, tire pressure can be checked without disconnecting. Features ½" pipe thread.
NTH **90-885**

Tire Hardware



CORE DRIVER TOOL
For faster removal and insertion of large bore cores, even if stem threads are filled with dirt and debris.
NTH **90-360**

Tire Hardware



LARGE BORE 4-WAY VALVE TOOL
Includes die and tap to repair core threads, screwdriver for inserting and removing cores, and broken core extractor.
NTH **90-358**

Tire Hardware



AIR ASPIRATOR VALVE
Completely deflates large bore tubes. Vacuum effect created when chucking air line to side thread.
NTH **90-212**

Tire Hardware



CORE EXTRACTOR
Removes and extracts damaged cores. Easy grip plastic handle.
NTH **90-364**

Tire Hardware



SCREWDRIVER HANDLE VALVE CORE TOOL
Screwdriver simplifies installation and removal of standard valve cores. Plastic screwdriver type handle for better grip and leverages. All metal construction with plastic handle.
NTH **90-363**

Tire Hardware



ALUMINUM VALVE CORE TOOL
Screwdriver simplifies installation and removal of standard valve cores. All metal construction.
NTH **90-362**

Specifications subject to change with out notice.
Units may not be exactly as pictured.

Tire Hardware



VALVE FISHING TOOL
Centers valve in rim hole while mounting tires. Can be used with .453" And .625" Dia rim holes. Includes *NTH* **90-346** double end tool at end.
NTH **90-356**

Tire Hardware



DOUBLE USE TOOL
Deflates tires and tubes. Removes valve cores.
NTH **90-346**

Tire Hardware



TUBELESS TIRE VALVE INSERTING TOOL
Used for the installation of rubber covered snap-in valves.
NTH **90-370**

Tire Hardware



FOUR-WAY TIRE VALVE TOOL
Features core screwdriver and broken core extractor. Repairs core and stem threads.
NTH **90-344**

Tire Hardware



TIRE TREAD DEPTH GAUGE
Used for measuring depth of tire thread in 1/32" units from 0 to 1 inch.
NTH **90-376**

Tire Hardware



DIGITAL TREAD DEPTH GAUGE
Accurately determines the amount of tread left on tire.
NTH **90-396**

Ken-Tool
WHEREVER TIRES ARE CHANGED™



SPC **29999**



SPC **29999M**

VALVECAPPER® PRO
4 tools in 1 - Cap and Core Remover/Installer. Makes it easier to check the inside dual tire! No more moving your rig to position valve stems just to get to the caps. No more dropped caps - holds onto the cap and valve cores for removing and replacing. Longer valve cap grip works on flow-through, double seal valve caps. Unbreakable under normal use.

SPC **29999** ValveCapper®Pro
SPC **29999M** 25-Pc Counter Display

NAPA Tire Hardware

POCKET TIRE SERVICE KIT
Convenient set of service tools comes in plastic protector. Set includes tire pressure gauge, valve core extracting tool, and tire tread depth gauge.

NTH **90-9850**



Contents

Item No.	Description
NTH **90-385**	Tire Pressure Gauge
NTH **90-363**	Valve Core Extracting Tool
NTH **90-376**	Tire Tread Depth Gauge



SLIDE TIRE GAUGE
Pocket-sized tire gauge with silver anodized finish for passenger car use. Nylon bar and angled chuck. Measures 5 to 50 PSA in 1-lb. increments and 40 to 350 kPa in 10-kPa increments.

NTH **90-384**



POCKET-SIZED SLIDE TIRE GAUGE
Pocket-sized, high-pressure tire gauge with chrome-plated finish for passenger car use. Nylon bar and angled chuck. Measures 10 to 120 PSA in 2-lb. increments and 80 to 840 kPa in 20-kPa increments.

NTH **90-387**



POCKET TIRE GAUGE
Pocket-sized tire gauge with chrome-plated finish for passenger car use. Nylon bar and angled chuck. Measures 10 to 75 PSI in 1-lb. increments and 70 to 500 kPa in 10-kPa increments.

NTH **90-385**



STRAIGHT TIRE GAUGE
Pocket-sized with silver anodized finish and straight, push-on head. Measures 5 to 50 PSI in 1-lb. increments.

NTH **90-389**



AUTOMOTIVE POCKET GAUGE
Pencil gauge reads from 10 to 50 PSI. Reads in PSI and kPa and features 4-sided bar.

NTH **90-984NTH**



POCKET TIRE GAUGE
Passenger car gauge is chrome plated for durability. Nylon bar measures 10 to 50 PSI in 1-lb. increments.

NTH **90-378**

PRECISION TIRE PRESSURE GAUGE
Compact dial air pressure gauge for use on cars, SUVs and RVs. Easy-to-read dial provides accurate pressure reading from 3 to 60 PSI.

NTH **90-2002** Chrome
NTH **90-2003** Orange



HIGH-PERFORMANCE DIAL GAUGE
High-pressure gauge with single, straight chuck. Rubber bumper protects gauge from damage, and pressure reading locks when sleeve is pulled back. Measures from 0 to 60 PSI in 2-lb. increments and 0 to 410 kPA in 10-kPa increments.

NTH **90-395**



DIAL PRESSURE GAUGE
Swivel chuck for hard-to-reach valve installation and bleed valve for easy and precise pressure adjustment. Measures from 0 to 60 PSI in 2-lb. increments and 0 to 1100 kPa in 20-kPa increments.

NTH **90-391**





STRAIGHT & ANGLED TIRE GAUGE
Gauge features straight chuck for inside dual wheels and 30° reverse angle for use on outside wheels. Measures 10 to 150 PSI in 2-lb. increments and 80 to 120 kPa in 20-kPa increments.

NTH **90-383**

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware



HEAVY-DUTY TIRE GAUGES WITH BLACK BAKED EPOXY POWDER

Maintaining recommended tire pressure improves gas mileage, extend tire life, and improves road handling. Heavy-duty gauges resist corrosion. Extra long chuck heads make checking tire pressure easier.

Item No.	Description	PSI	kPa
NTH **90-3000**	Dual-Foot Pocket Truck Gauge with Angled Chuck Head	10 to 120 PSI in 2-lb. increments	80 to 840 kPa in 20 kPa increments
NTH **90-3002**	Dual-Foot Pocket Truck Gauge with Angled and Straight Chuck Head	20 to 120 PSI in 2-lb. increments	80 to 840 kPa in 20 kPa increments
NTH **90-3004**	Dual-Foot Service Truck Gauge with Angled and Straight Chuck Head	10 to 150 PSI in 2-lb. increments	80 to 1040 kPa in 20 kPa increments
NTH **90-3006**	Dual-Foot Service Truck Gauge with Angled Chuck Heads	10 to 150 PSI in 2-lb. increments	80 to 1020 kPa in 20 kPa increments

MASTER PRESSURE TIRE GAUGE



Master gauge with dual-foot construction is used to check other gauges. Suitable for inside and outside dual wheels regardless of the angle of the valve. Measures from 10 to 165 PSI in 2-lb. increments and 100 to 1140 kPa in 20-kPa increments.

NTH **90-390**



ADJUSTABLE TIRE PRESSURE GAUGE

Adjustable pressure gauge can be recalibrated for accuracy.

NTH **90-399**



STANDARD & LARGE BORE SWIVEL HEAD TIRE GAUGE

Swivel head chuck for adjusting between straight, push-on, and right angle use. Can be used on standard or large bore valves. Measures from 10 to 150 PSI in 2-lb. increments.

NTH **90-392**

SPECIAL APPLICATION PRESSURE GAUGES



LOW-PRESSURE TIRE GAUGE

For use on recreational vehicle tires, racing tires, and other low-pressure applications. Gauge has red anodized finish and measures 1 to 20 PSI in ½-lb. increments.

NTH **90-379**



HIGH-PRESSURE BIKE GAUGE

Chrome-plated for durability. Measures from 10 to 120 PSI in 2-lb. increments.

NTH **90-381**



AIR LIQUID TRACTOR TIRE PRESSURE GAUGE

For use on off-highway tires filled with liquid ballast. Features chrome-plated finish and measures 5 to 50 PSI in 1-lb. increments.

NTH **90-380**



DUAL-FOOT TIRE GAUGE

Chrome-plated with metal indicator bar. Measures from 10 to 150 PSI in 2-lb. increments and 80 to 1020 kPa in 20-kPa increments.

NTH **90-382**



DUAL-FOOT POCKET TIRE GAUGE

Pocket-sized with chrome-plated finish. Dual-foot angled chuck. Measures 10 to 120 PSA in 2-lb. increments and 80 to 840 kPa in 20-kPa increments.

NTH **90-388**

DIGITAL TIRE PRESSURE GAUGE



Digital gauge quickly and accurately measures tire pressure. Accurate to .5 PSI.

BK **92-1536**

NAPA Tire Hardware



DIGITAL POCKET TIRE GAUGE
Gauge features easy-to-read LCD display for accurate and precise readings, air bleed, and protective casing. Pressure reading from 1 to 100 PSI in 1 lb. increments.
NTH **90-3010**



DIY DIGITAL DIAL TIRE GAUGE
Gauge features a short, straight chuck and digital LCD display. Measures pressures between 1 to 100 PSI.
NTH **90-3011**



LOW-PRESSURE DIAL GAUGE
Low-pressure gauge with single, straight chuck. Perfect for recreational, racing, and other vehicles with low-pressure tires. Rubber bumper protects gauge from damage, and pressure reading locks when sleeve is pulled back. Measures from 0 to 15 PSI in 2-lb. increments.
NTH **90-394**



PERFORMANCE DIGITAL DIAL GAUGE
Gauge features a ball foot chuck, low battery indicator, digital LCD display, and bleed valve. Measures pressures between 1 to 100 PSI.
NTH **90-3012**



DIGITAL TRUCK GAUGE
Gauge features dual-foot angled chuck, low battery indicator, LCD display, and bleed valve. Measures pressures up to 160 PSI.
NTH **90-3013**



DIGITAL HEAVY-DUTY TRUCK GAUGE
Gauge features straight, dual-foot chuck, LCD display, and bleed valve. Measures pressures up to 160 PSI.
NTH **90-3014**



TIRE GAUGE TESTING SYSTEM
Connects to air line valve to check gauges for accuracy from 0 to 200 PSI and indicates which valves need to be replaced. Includes a certificate of accuracy for ISO9001 records. Measures bar, kPa, PSI and kg/cm2.
NTH **90-397**



MASTER TIRE GAUGE TESTING SYSTEM
Connects to air line valve to check gauges for accuracy from 0 to 200 PSI and indicates which valves need to be replaced. Includes a certificate of accuracy for ISO9001 records. Measures bar, kPa, PSI and kg/cm2.
NTH **90-398**



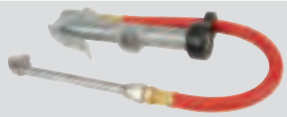
AIR IN LINE INFLATION TOOL WITH DIGITAL GAUGE
Three function handle checks tire pressure, releases pressure and inflates tire. Large 2.6" digital gauge with 360° swivel. Inflator tube length 23". Positive action tire inflator chuck.

Specifications

Gauge Range: .....2 to 150 psi (11 bar, 1100 kPa).
Displays..... PSI, bar kPa, and kgs. 0.1 PSI resolution.
2 to 110 PSI (+ / - 2 PSI), 111+ PSI (+ / - 3 PSI).
Working Temp:..... 32°F to 113°F.
NTH **90-537**

NAPA Tire Hardware

AIR LINE INFLATOR GAUGES

Item No.	Description	Calibration (PSI/KPA)	Units	Thread Size	Hose Length	
NTH **90-466**	**Economy Inflator Gauge** — Straight chuck fits through most wheel cover holes.	10-90	2	—	12"	
NTH **90-468**	**Standard Inflator Gauge** — Dual-foot chuck and hose with indicator bar enclosed in gauge body and viewable through sight glass.	10-120	—	—	12"	
NTH **90-464**	**Heavy-Duty Inflator Gauge** — Gauge and inflate dual tires on trucks and buses in addition to passenger cars and light trucks. Plastic indicator, hose, and clip-on ball foot chuck.	10-120	—	—	12"	
NTH **90-475**	**Deluxe Dial Inflator Gauge** — Easy-to-read gauge, oil- and ozone-resistant rubber hose. Reduce pressure without removing chuck from valve with bleed valve. Designed specifically for tire shops with rubber bumper to protect gauge from damage	0-160	—	—	12"	
NTH **90-462**	**Inflator Gauge with Bleed Valve & Grip-Tight Chuck** — Gauge and inflate dual truck and bus tires in addition to passenger car and light truck tires. Brass indicator and hose extension. Adjust pressure without touching tire or valve stem.	10-120	—	—	36"	
NTH **90-462-6**	**Inflator Gauge with Bleed Valve & Grip-Tight Chuck**	10-120	—	—	72"	
NTH **90-460**	**Inflator Gauge with Bleed Valve and Clip-On Ball Foot Chuck** — Gauge and inflate truck, bus, passenger car and light truck tires. Brass indicator and hose extension with clip-on ball foot chuck.	10-120	—	—	36"	
NTH **90-460-6**	**Inflator Gauge with Bleed Valve and Clip-On Ball Foot Chuck**	10-120	—	—	72"	
Replacement Hoses						
NTH **90-461**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose assembly with ball foot clip-on chuck and bleed valve.	0-300	—	3/8"–24 NPT	36"	
NTH **90-469**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose for use only as replacement air line hose.	0-300	—	1/4" & 3/8"-24 MNFT	12"	
NTH **90-465**	**Tire Inflator Gauge Hose** — For use only with air line hose. Made of flexible, oil- and ozone-resistant rubber.	0-300	—	3/8"-24 NPT	12"	
NTH **90-467**	**Tire Inflator Gauge Hose** — Rubber, oil- and ozone-resistant hose assembly with straight-on chuck.	0-300	—	3/8"–24 NPT	12"	

WARNING: Do not inflate tires on a rim made of 2 or more individual pieces unless using a tire inflation cage approved by OSHA or DOT. OSHA regulations mandate that an inflator gauge must be equipped with a lock-on chuck and a hose extension long enough for the operator to stand out of the path of a multi-piece rim. The hose you choose (36" or 72") will depend upon the user's specific application and equipment.

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware

AIR LINE CHUCKS

Item No.	Description	Type	Chuck Thread Size	Length	
NTH **90-518***	**Ball Foot** — Chrome plated.	Closed	1/4" FPT	—	
NTH **90-520***	**Ball Foot** — Can be used on all air lines.	Closed	1/4" MPT	—	
NTH **90-522***	**Ball Foot** — Zinc diecast	Closed	1/4" FPT	—	
NTH **90-523***	**Ball Foot** — Solid brass	Closed	1/4" FPT	—	
NTH **90-524***	**Clip-On** — Ball foot chuck for use on all air lines. Spring clip keeps chuck on valve during inflation.	Closed	1/4" FPT	—	
NTH **90-532***	**Clip-On** — Fits in place of screw nut on ball foot air chucks. Keeps chuck secured to valve during inflation.	Closed	1/4" FPT	—	
NTH **90-533***	**Large Bore Clip-On** — Clips on large bore valves when sleeve is moved forward and releases when sleeve is pulled back.	Closed	1/4" FPT	—	
NTH **90-536***	**Clip-On** — Clip-on straight chuck locks onto threads of standard valve cap during inflation. Normally closed.	Closed	1/4" FPT	—	
NTH **90-5222***	**Euro-Style Clip-On**	Closed	1/4" FPT	—	
NTH **90-5261**	**Euro-Style Clip-On**	Open	1/4" FPT	—	
NTH **90-507**	**Clip-On**— Replacement air line chuck used for European tire changes.	Open	1/4" FPT	—	
NTH **90-526**	**Clip-On Ball Foot** — Compatible with most tire changers.	Open	1/4" FPT	—	
NTH **90-455**	**Straight Clip-On** — Clip-on chuck locks onto standard valve stem cap threads when sleeve is pushed forward and releases when the sleeve is pulled back.	—	1/4" FPT	—	
NTH **90-500***	**Straight-Line** — Chrome-plated chuck. Inside grooving locks onto threads of valve cap when tilted.	Closed	1/4" FPT	5"	
NTH **90-501**	**Straight-Line** — Chrome-plated chuck. Inside grooving locks onto threads of valve cap when tilted.	Open	1/4" FPT	5"	
NTH **90-531***	**Straight Lock-On** — Locks to mouth of valve when cocked on threads. For large bore	Closed	1/4" FPT	4"	
NTH **90-516***	**Straight Lock-On** — Locks to mouth of valve when cocked on threads.	Closed	1/4" FPT	1"	

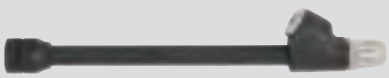
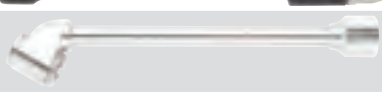
Normally closed chucks on are for use on standard air lines and are normally closed. They open when applied to valve stem. DO NOT USE ON ANY VALVE CONTROLLED INFLATION DEVICE OR ON INFLATOR GAUGES.

Warning: Using any of these products contrary to specifications and directions could result in injury and/or damage to property.

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware

DUAL-FOOT AIR LINE CHUCKS

Item No.	Description	Type	Chuck Thread Size	Length	
NTH **90-5004**	**Dual-Foot** — Corrosion-resistant. Black baked epoxy powder finish.	Open	1/4" FPT	7"	
NTH **90-5006**	**Dual-Foot Grooved** — Corrosion-resistant. Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation.	Open	1/4" FPT	7"	
NTH **90-5008***	**Dual-Foot Straight** — Corrosion-resistant. Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation.	Closed	1/4" FPT	14"	
NTH **90-5010**	**Dual-Foot Straight** — Corrosion-resistant, Black baked epoxy powder finish. Grooving inside locks onto threads of valve cap for easier inflation. Repair Kit *NHT* **90-510**	Open	1/4" FPT	14"	
NTH **90-529**	**Angled Dual-Foot** — Angled chuck for dual wheel inflation.	Open	1/4" FPT	—	
NTH **90-5000***	**Dual-Foot Angled** — Corrosion-resistant. Black baked epoxy powder finish.	Closed	1/4" FPT	7"	
NTH **90-5002***	Dual-Foot Straight-Angled — Corrosion-resistant. Black baked epoxy powder finish.	Closed	1/4" FPT	7"	
NTH **90-528***	**Angled Push-Pull Dual-Foot** — Angled push-pull chuck with 150 PSI max.	Closed	1/4" FPT	—	
NTH **90-503***	**Straight/Angled Dual-Foot Lock-On** — For dual wheel applications. Chuck heads are extra deep and grooved inside allowing the chuck to lock onto valve stem.	Closed	1/4" FPT	—	
NTH **90-519***	**Dual-Foot Straight** — Works with large and standard bore valves.	Closed	1/4" FPT	7"	

**** Normally closed chucks on are for use on standard air lines and are normally closed. They open when applied to valve stem. DO NOT USE ON ANY VALVE CONTROLLED INFLATION DEVICE OR ON INFLATOR GAUGES.***

Warning: Using any of these products contrary to specifications and directions could result in injury and/or damage to property.

AIR CHUCK REPAIR KITS & PARTS

Item No.	Description	Type	Package Qty.	
NTH **90-510**	**Dual-Foot Chuck** — Kit includes 2 rubber washers, 2 deflators, and 2 screw nuts	Open	1	
NTH **90-502**	**Dual-Foot Chuck** — Rubber washers only.	Open	10	
NTH **90-512**	**Ball Foot Chuck** — Kit includes 5 rubber washers, 1 deflator pin, and 1 screw nut.	Closed	1	
NTH **90-504**	**Ball Foot Chuck** —Rubber washers only	Closed	10	

Specifications subject to change with out notice. Units may not be exactly as pictured.

NAPA PROFESSIONAL AIR TOOLS

OSHA BLOW GUN WITH 4 IN. COMPOSITE NOZZLE



This OSHA compliant air blow gun is made of sturdy-composite high tech material. Progressive flow trigger action enables precise adjustment of airflow rates. Sturdy non-slip, thermal insulated and ergonomic non-slip body of the blow gun fits comfortably in your hand for effortless use. Directional blowing nozzle angle and natural orientation of air flow to ensure precise work. OSHA compliant stamped venture.

Specifications

Max. Pressure: ..... 145 PSI
Blower Force: ..... 90 PSI
Blow Gun Material: ..... Composite
Blow Gun Nozzle Interchangeable: ..... No
Blow Gun Nozzle Length: ..... 4"
Blow Gun Nozzle Type: ..... Directional
Blow Gun Thread Size: ..... 1/4"
In-line Blow Gun: ..... No
Liquid Compatible: ..... No
Weight: ..... 4.2 oz.

NPT **61-1242**



CYCLONE F3 SAFETY AIR GUN KIT

Kit includes the Cyclone F3 blowgun, Tri-Thrust nozzle, X-treme-Flo nozzle, Quiet-Flo nozzle, 6" extension and chip guard. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet. Maximum inlet pressure: 300 psi. Length 6" L.

NPT **61-1273**



CYCLONE F1 HIGH-FLO SAFETY AIR GUN KIT

Ergonomically superior gun body for maximum comfort and control that reduces operator fatigue. The durable gun body is ideal for extreme use. Unique to the Cyclone is the modular accessory system, allowing you to customize the gun extension length & tips for a given application. Cyclone meets or exceeds OSHA standards 1910.242 (b) & 1910.95 (a). 35 / 29 CFM, 97 / 84 dBA, 100 Line PSI. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet. Maximum inlet pressure 120 PSI. Length 6" L. Contents: (1) Air Gun, (1) Adapter, (1) Rubber Tip, (2) Nozzles, (3) Needle Tips, and (2) Extensions.

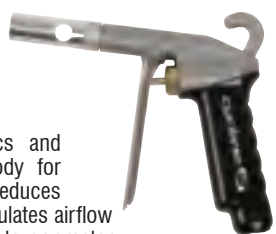
NPT **61-1274**



CYCLONE F1 SAFETY AIR GUN WITH QUIET-FLO TIP

Cyclone Blow Guns equal ergonomics and power. Ergonomically superior gun body for maximum comfort and control, which reduces operator fatigue. Variable flow trigger regulates airflow precisely. Delivers maximum flow, equal to or greater than the competition. The durable gun body is ideal for extreme use. Unique to the Cyclone is the modular accessory system, allowing you to customize the gun extension length and tips for a given application. Cyclone meets or exceeds OSHA standards 1910.95 (a) and 1910.242 (b). 29 CFM, 84 dBA, 100 Line PSI. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet.

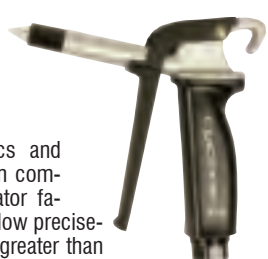
NPT **61-1277**



CYCLONE F1 SAFETY AIR GUN WITH EXTREME-FLO TIP

Cyclone Blow Guns equal ergonomics and power. Ergonomically superior gun body for maximum comfort and control, which reduces operator fatigue. Variable flow trigger regulates airflow precisely. Delivers maximum flow, equal to or greater than the competition. The durable gun body is ideal for extreme use. Unique to the Cyclone is the modular accessory system, allowing you to customize the gun extension length & tips for a given application. Cyclone meets or exceeds OSHA standards 1910.242 (b). 35 CFM, 97 dBA, 100 Line PSI. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet.

NPT **61-1278**



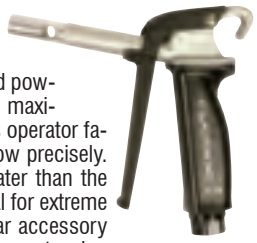
CYCLONE F3 SAFETY AIR GUN WITH QUIET-FLO TIP

Cyclone Blow Guns equal ergonomics and power. Superior gun body for maximum comfort and control, which reduces operator fatigue. Variable flow trigger regulates airflow precisely. Delivers maximum flow, equal to or greater than the competition. The durable gun body is ideal for extreme use. Unique to the Cyclone is the modular accessory system, allowing you to customize the gun extension length and tips for a given application. Cyclone meets or exceeds OSHA standards 1910.95 (a) and 1910.242 (b). 34 CFM, 87 dBA, 100 Line PSI. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet.

NPT **61-1275**

PROFESSIONAL AIR TOOLS

CYCLONE F3 SAFETY AIR GUN WITH EXTREME-FLO TIP



Cyclone Blow Guns equal ergonomics and power. Ergonomically superior gun body for maximum comfort and control, which reduces operator fatigue. Variable flow trigger regulates airflow precisely. Delivers maximum flow, equal to or greater than the competition. The durable gun body is ideal for extreme use. Unique to the Cyclone is the modular accessory system, allowing you to customize the gun extension length and tips for a given application. Cyclone meets or exceeds OSHA standards 1910.242 (b). 48 CFM, 99 dBA, 100 Line PSI. Blowgun nozzle is interchangeable, Aluminum body. Thread size is 1/4" FNPT Inlet.

NPT **61-1276**

PROFESSIONAL AIR TOOLS

CYCLONE F1/F3 EXTREME-FLO SAFETY AIR GUN TIP



Use with Cyclone F1 and Cyclone F3 blowguns. Can combine with extensions (sold separately) and nozzles as needed, up to 6'. Max 300 PSI pressure. Thread size is 1/4" MNPT Inlet. Fits blowgun numbers *NPT* **61-1275**, *NPT* **61-1276**, *NPT* **61-1277** and *NPT* **61-1278.**

NPT **61-1279**

PROFESSIONAL AIR TOOLS

CYCLONE F1/F3 QUIET-FLO SAFETY AIR GUN TIP



Use with Cyclone F1 and Cyclone F3 blowguns. Can combine with extensions (sold separately) and nozzles as needed, up to 6". Max 300 PSI pressure. Thread size is 1/4 NPT Inlet. Fits blowgun numbers *NPT* **61-1275**, *NPT* **61-1276,** *NPT* **61-1277** and *NPT* **61-1278**.

NPT **61-1280**

PROFESSIONAL AIR TOOLS

CYCLONE F1/F3 RUBBER AIR GUN TIP



Use with Cyclone F1 and Cyclone F3 blowguns. Can combine with extensions (sold separately) and nozzles as needed, up to 6'. Thread size is 1/4" MNPT Inlet. Fits blowgun numbers *NPT* **61-1275**, *NPT* **61-1276**, *NPT* **61-1277** and *NPT* **61-1278**.

NPT **61-1281**

PROFESSIONAL AIR TOOLS

CYCLONE F1/F3 NEEDLE AND RUBBER TIP COMBO



Includes 1", 2" and 3" needle nozzles, and a rubber tip. Use with Cyclone F1 and Cyclone F3 blowguns. Max 300 PSI Pressure. Fits blowgun numbers *NPT* **61-1275**, *NPT* **61-1276**, *NPT* **61-1277** and *NPT* **61-1278**.
Contents: (1) Rubber Tip, (3) Needle Nozzles.

NPT **61-1282**

PROFESSIONAL AIR TOOLS



CYCLONE F1/F3 ALUMINUM EXTENSIONS

Use with Cyclone F1 and Cyclone F3 blowguns. Can combine with extensions (sold separately) and nozzles as needed, up to 6'. Max 300 PSI pressure. Fits blowgun numbers *NPT* **61-1275**, *NPT* **61-1276,** *NPT* **61-1277** and *NPT* **61-1278**.

NPT **61-1284** 6" Long Extension
NPT **61-1283** 12" Long Extension

NAPA Tire Hardware



RUBBER TIPPED BLOW GUN

Provides leak-proof seal between gun and fluid line. Excellent for cleaning delicate surfaces that a metal tip might scratch.

NTH **90-494**

NAPA Tire Hardware



TAMPER-PROOF SAFETY BLOW GUN

General-purpose safety blow gun features a special safety tip that swivels freely and discourages tampering. Tip pressure does not exceed 30 PSI when the inlet pressure is 150 PSI or less. Equipped with OSHA compliant safety tip.

NTH **90-489**

NAPA Tire Hardware



STANDARD BLOW GUN

Simple, rugged construction. The ergonomic design is comfortable and form-fitting.

NTH **90-488**

NAPA Tire Hardware



STRATA-FLO BLOW GUN

Strata-Flo nozzle concentrates air into a powerful stream at near sonic velocity, creating an air stream that is less turbulent. Quieter then ordinary blow guns and surpasses OSHA regulations.

NTH **90-495**

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware



ANGLED RUBBER TIP BLOW GUN
Features heavy-duty valve body and bent nozzle extension for hard-to-reach areas. The heavy rubber tip is great for blowing out automatic transmissions and oil passages.
NTH **90-490**

HI-FLOW BLOW GUN
Booster ports allow for more air-flow than conventional blow guns. One of the highest CFM ratings of any blow gun.
NTH **90-586**



FLEXIBLE RUBBER BLOW GUN
Flexibility allows positive seal for fuel lines or other openings. No additional blow gun needed.
NTH **90-573**



ADJUSTABLE-FLOW POCKET BLOW GUNS


Each features a built-in quick coupler adapter, safety bypass and safety tip to prevent pressure build-up. Chose the gun that fits your air line system. Easily twists on and off.

Item No.	Fits Coupler Type
NTH **90-483**	Lincoln™ ¼" (NAPA Type A)
NTH **90-484**	Aro™ ¼" (NAPA Type B)
NTH **90-485**	Automotive ¼" (NAPA Type C)
NTH **90-486**	Industrial ¼" (NAPA Type D)

BLOW GUNS WITHOUT SAFETY BYPASS WARNING: Do not use blow guns without safety bypass on compressed air lines when pressure exceeds 30 PSI.

IN-LINE BLOW GUN
Compact gun can be added to hose end to blow away debris after using primary tool, eliminating the need to disconnect and connect a standard blow gun. Rubber tip is excellent for body shops, as it will not mar painted surfaces.
NTH **90-472**



IN-LINE BLOW GUN
Compact gun can be added to hose end to blow away debris after using primary tool, eliminating the need to disconnect and connect a standard blow gun. Safety Tip will not allow pressure to exceed 30 PSI when inlet pressure is 150 PSI or less.
NTH **90-473**



LEVER BLOW GUN WITH STAR TIP
Safety blow gun with star-shaped nozzle tip to eliminate blocking. Produces a powerful and concentrated air stream in small openings. Nozzle length is 4".
NTH **90-117**





NTH **90-110** *NTH* **90-111** *NTH* **90-112**

LEVER BLOW GUNS
Adjustable full-flow blow guns are suitable for a number of applications.

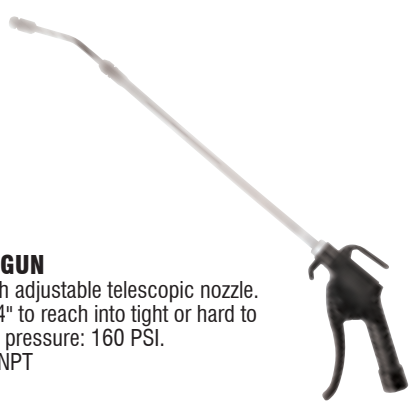
Features

- Hang up using built-in hook
- Control flow simply by squeezing or releasing pressure
- Durable construction and ergonomic fit
- Narrow diameter of nozzles is perfect for hard-to-reach areas

Specifications

Max pressure: ..... Full flow – 230 PSI
Temp range: ..... -40°F - 175°F
Air Flow Capacity: ..... 8 CFM at 87 PSI
Air Inlet Opening: ..... ¼" FNPT

Item No.	Description
NTH **90-110**	4" Nozzle Blow Gun
NTH **90-111**	13" Nozzle Blow Gun
NTH **90-112**	20" Nozzle Blow Gun



TELESCOPIC BLOW GUN
Lever type blow gun with adjustable telescopic nozzle. Nozzle telescopes 12-24" to reach into tight or hard to reach places. Maximum pressure: 160 PSI.
Thread size: ¼" female NPT
NTH **90-118**

Tire Hardware

AIR LINE ACCESSORY KIT
Standard Blow Gun Kit with safety tip and assorted Type D ¼" NPT couplers and plugs.
NTH **90-401**



AIR LINE ACCESSORY KIT
Standard blow gun kit with additional safety tip, rubber tip and Type D ¼" NPT couplers and plugs. Also includes ¼" ball foot chuck, ¼" pipe coupler and tire gauge.
NTH **90-402**



BLOW GUN KIT
Lever blow gun with four interchangeable tips. Standard tip, safety tip, rubber tip, and needle tip.
NTH **90-481**



RUBBER BLOW GUN TIP
Rubber tip will fit any blow gun with ⅛" NPT female nozzle port. Flexible tip allows for positive seal.
NTH **90-583**



BLOW GUN NOZZLES

The following nozzles have ⅛" NPT male thread and will fit any blow gun having ⅛" NPT female port.

BLOW GUN TIP
Rubber nozzle tip snaps on and clicks into place. For use with *NTH* **90-110**, *NTH* **90-111**, and *NTH* **90-112**. Forms positive seal between blow gun and line openings. For use only on air lines regulated at 30 PSI or less.
NTH **90-114**





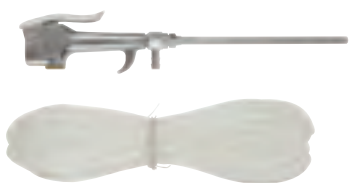
BLOW GUN TIP ASSORTMENT
Tips made of hardened stainless steel tubing with ⅛" NPT male thread for use in otherwise inaccessible areas. Plastic case and five nozzles .134", .095", .065", .050", and .042" in diameter.
NTH **90-569**

SELF-RELIEVING STANDARD SAFETY BLOW GUN TIP
Tip has an air pressure bypass to prevent tip pressure build-up, even if nozzle is blocked. Adapts to any blow gun with a ⅛" NPT.
NTH **90-585**





SIPHON SPRAY GUN
Metal siphon spray gun combines compressed air, water pressure to blast away dirt and grime. Uses siphon to spray solvents and solutions, can be used with garden hose and compressed air. Valve body stays cool even with hot water. Includes 8' plastic tubing.
NTH **90-493**



SIPHON SPRAY GUN
Die cast zinc 10" siphon spray gun with suction tube features ability to siphon liquid and spray air-liquid mixtures. Thread Size: ¼" NPT.
NTH **90-487**



CLEANING TOOL & SIPHON
Blasts away dirt and grime with air and water pressure while using siphon to spray solvents and solutions. Valve body stays cool even with hot water. Includes 2 extensions, adapter for garden hose and siphon tubing. Maximum Pressure: 30 PSI.
NTH **90-595**

SIPHON NOZZLE
For use on any blow gun with ⅛" NPT female nozzle port. Barbed extension fits tubing or hose with ¼" inside diameter.
NTH **90-581**



WARNING: In order to comply with OSHA regulations, spray gun air lines must be regulated to a maximum of 30 PSI at the nozzle tip

RADIATOR WATER FAUCET
Bent angle ¼" FNPT with shock proof and oil resistant molded hard rubber nozzle.
NTH **90-590**



Specifications subject to change with out notice. Units may not be exactly as pictured.

STEEL AIR HOSE REEL



Professional-grade Goodyear rubber air hose (250 PSI) stays flexible in cold weather. The heavy gauge, all-steel reel, driven by an internal spring-powered motor, neatly automatic rewinds and coils hose. Guided smoothly on and off the reel by an enclosed four-roller guide collar, air hose is locked at the desired length by a continuous, 8-position ratchet gear. This versatile reel can be mounted to ceiling, wall or floor - wherever it's convenient.

BK **821-1359** 3/8" x 50'
BK **821-1360** 1/2" x 50'

ZILLA REEL™ RETRACTABLE AIR HOSE REEL



This retractable air hose reel with Flexzilla® premium air hose and bend restrictors is ideal for the home shop and features an auto-retract/auto-latch hose mechanism. Hose latches in 18" intervals. Made of durable polypropylene. Additional features include adjustable hose topper, 3' lead-in hose, and swivel mounting bracket for wall or ceiling. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1465**

ZILLA REEL™ WORKFORCE RETRACTABLE AIR HOSE REEL



Economical reel is perfect for indoor shop and industrial applications. The dual-supported axle can withstand the vibration of mobile installations and is idea for roll-around service carts. Reel can be mounted on wall, bench, task or overhead. Heavy-duty steel with corrosion-resistant powder coating and four-way directional rollers add convenience. Fasteners stay tight even in mobile installations, and narrow size is ideal for easy placement and storage. Spring motor is fully enclosed and packed with grease. Inlet Size: 1/4" NPT. Outlet Size: 1/4" NPT.

BK **821-1466**

FLEXZILLA™ AIR HOSE



Made from an engineered hybrid polymer, Flexzilla™ provides superior all-weather flexibility, even in freezing temperatures. High-visibility safety green, with excellent abrasion-resistant outer cover. Lightweight and easy to handle with reinforced bend restrictor. Temperature Range: -40-150° F. Working Pressure: 300 PSI.

Item No.	Description
NPT **61-3894**	3/8" I.D. x 25' L.; 1/4" MNPT
NPT **61-3895**	3/8" I.D. x 50' L.; 1/4" MNPT
NPT **61-3892**	1/2" I.D. x 25' L.; 3/8" MNPT
NPT **61-3893**	1/2" I.D. x 50' L.; 3/8" MNPT

FLEXZILLA® ZILLAWHIP™ BALL SWIVEL WHIP HOSE



Flexzilla® is a revolutionary hose featuring a Premium Hybrid Polymer material that redefines flexibility. Flexzilla® hose characteristics offer zero memory allowing it to lay-flat exactly where you drop it. Won't work against you and coil during operation or after use. Flexzilla® offers extreme all-weather flexibility, even in sub-zero conditions. Offers superior flexibility for tight radius bends in both cold and warm environments. Engineered polymer-blend material permits use in environments where general-purpose PVC and runner hoses may become too stiff.

Item No.	Hose Length	Fitting Size	Working PSI
NPT **61-3843**	2'	1/4" MNPT	300
NPT **61-3844**	4'	1/4" MNPT	300

CONTRACTOR SERIES MANUAL HOSE REEL & PVC AIR HOSE



Designed for rugged job site conditions, this reel is loaded with features, such as tapered-spool sidewalls and easy-access inlet connections. Reinforced-steel construction, baked-enamel powder-coat finish, and increased hose capacity meet the needs of today's contractor! Included 50-foot Workforce air hose features reinforced PVC construction and solid brass fittings. Provided bend restrictor prolongs life of air hose. Brake prevents hose from unwinding. Included mounting bracket allows reel to be mounted to a wall, workbench or vehicle. Also features heavy-duty, 1/4" brass inlet swivel and swivel handle. Heavy-duty, reinforced-steel drum for durability and long life. Lead-in hose (3/8" I.D. x 3') included.

Specifications

Air Hose:.....3/8" I.D. x 50'
Hose Capacity:..... 100' of 3/8" I.D.
Max. Operating Pressure: ..... 350 PSI
Reel Air Inlet:.....1/4" MNPT
Working Pressure:..... .350 PSI

BK **821-1373**

Specifications subject to change with out notice. Units may not be exactly as pictured.

Legacy

AUTO-REWIND AIR/WATER HOSE REELS

Medium-duty, easy-to-use auto-rewind hose reels are manufactured from durable, high-quality UV-stabilized polypropylene. Clock-type spring mechanism is factory preset for easy pulling and controlled rewind. Two-position switch enables user to choose between latching or free-run modes. Easy-to-install Mounting Bracket (*BK* **821-1371**) for wall or overhead installation included. Length: 50 ft.

Item No.	Description	Item No.	Description
BK **821-1369**	1/4" I.D.	*BK* **821-1367**	1/2" I.D.
BK **821-1366**	3/8" I.D.	*BK* **821-1368**	5/8" I.D.



BK **821-1366**



BK **821-1369**

Auto-Rewind Hose Reel Specifications

Transfers	I.D.	Type	Working Pressure (PSI)	Inlet	Outlet	10 Ft. Lead-in Hose Item No.	Hose Reel Item No.
Air	3/8"	PVC	350	3/4"-11 M.	1/4" NPTM.	*BK* **827-2550**	*BK* **821-1366**
Air/Water	1/2"	PVC	350	3/4"-11 M.	1/2" NPTM.	*BK* **827-2551**	*BK* **821-1367**
Hot Water	5/8"	PVC	130	3/4"-11 M.	3/4"-11 M.	*BK* **827-2554**	*BK* **821-1368**
Oxy-Acetylene	1/4"	Twin/Rubber	200	9/16" UNF	9/16" UNF F.	*BK* **827-2555**	*BK* **821-1369**

Legacy

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Air/Water Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368**, and *BK* **821-1369**). For bench, floor, or high-wall mounting.

BK **821-1370**

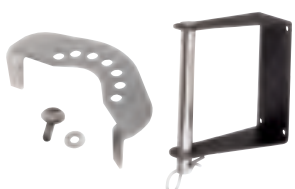


Legacy

AIR/WATER HOSE REEL MOUNTING BRACKET

For use with Auto-Rewind Hose Reels (*BK* **821-1366**, *BK* **821-1367**, *BK* **821-1368** and *BK* **821-1369**). For wall or overhead mounting (supplied as standard).

BK **821-1371**



Legacy

RUBBER AIR/WATER HOSES

Workforce® economical rubber air and water hoses are ideal for a wide range of industrial, construction and agricultural applications. Feature reinforced, synthetic rubber tubes and covers. Synthetic yarn weave provides extra strength and flexibility.



Specifications

Max. Pressure:.....1,200 PSI (82.74 Bar)
Tube: .....VRMA Class C (Med. Oil Resistance)
Working Pressure:.....300 PSI (20.68 Bar)

Item No.	Description
NPT **61-3837**	1/4" I.D. x 25'; 1/4" MNPT
NPT **61-3838**	1/4" I.D. x 50'; 1/4" MNPT
NPT **61-3839**	3/8" I.D. x 25'; 1/4" MNPT
NPT **61-3840**	3/8" I.D. x 50'; 1/4" MNPT
NPT **61-3841**	1/2" I.D. x 25'; 3/8" MNPT
NPT **61-3842**	1/2" I.D. x 50'; 3/8" MNPT

Legacy

AUTO-REWIND REEL REPLACEMENT HOSE

For Air Hose Reel (*BK* **821-1366**) and Air/Water Hose Reel (*BK* **821-1367**). 3/8" I.D. x 50' L.

BK **715-9003**



AIR HOSE ASSEMBLIES

High-quality, all-purpose PVC air hose assemblies feature excellent abrasion, oil, and weather-resistance for long service life. Working pressure with 4:1 safety factor. Lightweight, flexible, and kink-resistant for ease of handling and less operator fatigue. Wide temperature range from 0-150° F. Coupling: 1/4" M & M. Working Pressure: 300 PSI.



Specifications

Item No.	I.D.	O.D.	Length	Color
BK **715-1513**	1/4"	1/2"	25'	Blue
BK **715-1515**	3/8"	5/8"	25'	Blue
BK **715-1516**	3/8"	5/8"	50'	Blue
BK **715-1522**	3/8"	1/4"	50'	Orange

Specifications subject to change with out notice. Units may not be exactly as pictured.

SELF-STORING AIR HOSES

Stretch and recoil like a telephone cord. Equipped with spring guards, tube inserts and standard compression fittings. Tough, abrasion-resistant nylon construction. Maximum Working Pressure: 200 PSI.



Item No.	Description
BK **715-1510**	1/4" I.D. x 12' L.
BK **715-1500**	1/4" I.D. x 25' L.
BK **715-1511**	1/4" I.D. x 50' L.
BK **715-1503**	1/4" Straight Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1504**	1/4" Swivel Fitting (For *BK* **715-1500**, *BK* **715-1510**, *BK* **715-1511**)
BK **715-1501**	3/8" I.D. x 25' L.
BK **715-1512**	3/8" I.D. x 50' L.
BK **715-1505**	3/8" Swivel Fitting (For *BK* **715-1501**, *BK* **715-1512**)
BK **715-1502**	1/2" I.D. x 25' L.

NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 1/4"
Lead in Hose Length: ..... 24"
Lead in Hose Thread Size:.....1/4" NPT
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-450**



NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Yellow
Lead in Hose I.D.: ..... 3/8"
Lead in Hose Length: ..... 36"
Lead in Hose Thread Size:..... 1/4"
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-4501**



NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 1/4"
Lead in Hose Length: .....60"
Lead in Hose Thread Size:.....1/4" NPT
Ball Swivel End: ..... Yes
Flow Control Valve:..... No
Lead in Hose Material:..... PVC

NTH **90-452**



NAPA Tire Hardware

AIR TOOL LEAD-IN HOSE

Attaches directly to an air tool for greater mobility in tight spaces. Increases longevity of main hose. Reduces user's fatigue by eliminating weight of coupler and plug.

Specifications

Lead in Hose Color:.....Red
Lead in Hose I.D.: ..... 3/8"
Lead in Hose Length: .....30"
Lead in Hose Thread Size:.....1/4" NPT
Ball Swivel End: .....Yes
Flow Control Valve:.....No
Lead in Hose Material:..... PVC

NTH **90-454**



SAMSON

UNIVERSAL HOSE STOPS

Item No.	Description
BK **715-1556**	1/4" Hose
BK **715-1557**	3/8" Hose
BK **715-1558**	1/2" Hose



NAPA Tire Hardware

SWIVEL CONNECTOR

Unit swivels between tool and air supply to reduce equipment wear and prevent user fatigue. Inlet: 1/4 in. FNTP. Outlet: 1/2 in. MNPT. Made of aluminum and steel.

NTH **90-459-2**



ON-SITE CRIMPER KIT

Tote with lid contains everything needed for on-site hose make-up and repair. Includes crimper, fittings, couplings, and ferrules.

NTH **90-925**

NAPA Tire Hardware



Contents

Qty.	Item No.	Description
1	*NTH* **90-910**	Hose Crimper
5	*NTH* **90-542**	1/4" Male NPT fitting for 3/8" ID hose
5	*NTH* **90-546**	1/4" Male NPT fitting for 1/4" ID hose
3	*NTH* **90-552**	Repair coupling for 3/8" ID hose
3	*NTH* **90-556**	Repair coupling for 1/4" ID hose
10	*NTH* **90-916**	Ferrules for 5/8" OD hose
10	*NTH* **90-919**	Ferrules for 3/4" OD hose

Specifications subject to change with out notice. Units may not be exactly as pictured.

Tire Hardware



AIR HOSE CRIMPER

Provides production capability and big tool crimping advantages at a fraction of the cost of other tools offering comparable results. Constructed with high-strength ductile iron castings. Five hardened steel ribbed die sets are included for crimping 1/4" 1-braid through 3/8" 2-braid compressed air line hose. All of the dies are in place for instant use. Unit is completely portable. Use with the brass ferrules listed below and standard hose barb fittings shown on the next page. Easy one-hand operation. Designed to make-up new air line hoses or repair cracked or broken air hoses. 1/pack.

NTH **90-910**

HOSE FERRULES

Pick ferrule that most closely matches outside diameter of hose. Sold in packs of 25.

Item No.	For Hose O.D.
NTH **90-913**	1/2"
NTH **90-914**	9/16"
NTH **90-915**	19/32"
NTH **90-916**	5/8"
NTH **90-917**	21/32"
NTH **90-918**	11/16"
NTH **90-919**	3/4"
NTH **90-920**	25/32"
NTH **90-921**	13/16"
NTH **90-922**	7/8"



HOSE CRIMPER REPLACEMENT DIE

Each contains a replacement crimping die set for larger size hose. Simply remove a die set from the *NTH* **90-910** and replace with the die set needed.



NTH **90-910A** For Crimping Hose With This O.D. 3/4"
NTH **90-910B** For Crimping Hose With This O.D. 13/16"

3-IN-1 ALUMINUM MANIFOLD ADAPTER

Allows for operation of three different tools from one supply hose. Mounts overhead or to pipe at workbench and permits multiple workers to access air supply.

Item No.	Description
NTH **90-459**	1/4" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports
NTH **90-4591**	1/2" NPT Female Inlet Port and 3 NPT 1/4" female outlet ports



PIPE COUPLING

Threaded on both ends with 1/4" male NPT.

NTH **90-67**



HOSE REPAIR SPLICERS

Item No.	Hose I.D.
NTH **90-556**	1/4"
NTH **90-554**	5/16"
NTH **90-552**	3/8"
NTH **90-558**	1/2"



Specifications subject to change with out notice.
Units may not be exactly as pictured.



NTH **90-571** *NTH* **90-560** *NTH* **90-568** *NTH* **90-562**

REUSABLE HOSE FITTINGS

Make airtight connections without hose clamps. Must closely match hose O.D and I.D with dimensions in table below.

Item No.	Hose I.D.	Hose O.D.
1/4" NPT Hose End Fittings		
NTH **90-571**	1/4"	1/2"
NTH **90-572**	1/4"	9/16"
NTH **90-570**	1/4"	5/8"
NTH **90-562**	3/8"	3/4"
Repair Couplings		
NTH **90-568**	1/4"	19/32"
NTH **90-564**	1/4"	5/8"
NTH **90-560**	3/8"	3/4"



NTH **90-541** *NTH* **90-458** *NTH* **90-457**

STANDARD HOSE BARB FITTINGS

Select fitting that matches correct hose I.D. Fittings must be secured with hose clamp or crimped-on ferrule (see *NTH* **90-910** hose crimper).

Item No.	Hose I.D.	Thread Size
Male Thread Fittings		
NTH **90-547**	1/4"	1/8" NPT
NTH **90-546**	1/4"	1/4" NPT
NTH **90-546SS**	1/4"	1/4" NPT
NTH **90-544**	5/16"	1/4" NPT
NTH **90-542**	3/8"	1/4" NPT
NTH **90-542SS**	3/8"	1/4" NPT
NTH **90-540**	1/2"	1/4" NPT
NTH **90-543**	3/8"	3/8" NPT
NTH **90-541**	1/2"	1/2" NPT
Male Thread Fittings with 360° Ball Swivel		
NTH **90-456**	1/4"	1/4" NPT
NTH **90-458**	3/8"	1/4" NPT
Female Thread Fittings		
NTH **90-550**	1/4"	1/4" NPT
NTH **90-548**	3/8"	1/4" NPT

WARNING: Hose fittings featuring conventional hose barbs must be fastened with either a hose clamp or crimped on ferrule. Be sure to select a fitting that matches the inside diameter of the hose.

WARNING: With re-usable hose fittings, you can make an airtight connection without ferrules or hose clamps. A connection will be strong than the hose itself if the hose measurements match the outside and inside diameters listed on the above charts.

Disregarding these instructions and recommendations could cause the fitting to separate from the hose resulting in injury or property damage.



PORTABLE 5-GALLON AIR TANK

Heavy-duty, five-gallon portable air tank features with solid brass manifold and On/Off switch, as well as all brass fittings and chuck. High-grade, four-foot industrial hose and gauge. Dimensions: 10½" dia. x 20" long. Working Pressure: 125 psi.
NOTE: Not for sale in Puerto Rico or New Jersey.

Item No.	Description
BK **821-1350**	Portable 5-Gallon Air Tank
BK **770-6996**	Replacement Gauge, ¼" NPT
BK **770-6997**	Replacement Manifold



PORTABLE 10 GAL. AIR TANK

Heavy-duty tank features welded-steel construction and includes pressure gauge, filler valve, and four-foot heavy-duty hose with tire chuck. Working Pressure: 125 PSI. Dimensions: 12½" Dia. x 20½" L.
NOTE: Not for sale in Puerto Rico or New Jersey.

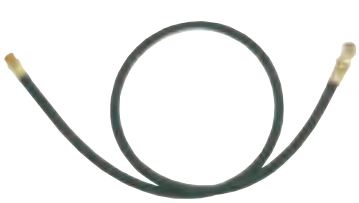
Item No.	Description
BK **821-7016**	Air Tank
BK **770-6996**	Gauge, ¼" NPT Replacement
BK **770-6997**	Manifold, Replacement

REPLACEMENT GAUGE & MANIFOLD

Replacement parts for Portable Five- and Eight-Gallon Air Tanks (*BK* **821-1350** and *BK* **821-7016**).

Item No.	Description
BK **770-6996**	Gauge, ¼" NPT
BK **770-6997**	Manifold





LARGE TANK AIR HOSE

Replacement hose for large air tanks. Coupler includes tire chuck. Coupler Size: ¼" x ¼". Working Pressure: 200 PSI. Inner Diameter: ¼".
BK **770-6995**

NAPA Tire Hardware



NTH **90-674SS** *NTH* **90-670SS**

COUPLERS & PLUGS

NAPA® couplers and adapter plugs provide a fast, easy and reliable means of joining pneumatic and fluid transfer lines. For ease of identification, NAPA® couplers and adapter plugs have been grouped by type. This letter designation appears on the following pages. Rated for air use only. **Not for gaseous use.**

Qty.	Item No.	Type	Description
50	*NTH* **90-644SS**	A	Lincoln™ Style ¼" Female Coupler
50	*NTH* **90-648SS**	A	Lincoln™ Style ¼" Male Plug
50	*NTH* **90-612BRSS**	B	Aro™ Interchange ¼" Female Coupler (Brass)
50	*NTH* **90-612SS**	B	Aro™ Interchange ¼" Female Coupler
50	*NTH* **90-613SS**	B	Aro™ Interchange ¼" Female Coupler
50	*NTH* **90-618SS**	B	Aro™ Interchange ¼" Male Plug
50	*NTH* **90-620SS**	B	Aro™ Interchange ¼" Female Plug
50	*NTH* **90-600SS**	C	Automotive Interchange ¼" Female Coupler
50	*NTH* **90-624SS**	C	Automotive Interchange ¼" Male Plug
50	*NTH* **90-670SS**	D	Industrial Interchange ¼" Female Coupler
50	*NTH* **90-672SS**	D	Industrial Interchange ¼" Male Coupler
50	*NTH* **90-674SS**	D	Industrial Interchange ¼" Male Plug
50	*NTH* **90-676SS**	D	Industrial Interchange ¼" Female Plug
25	*NTH* **90-654SS**	G	Automotive ⅜" Body ⅜" Female Coupler
25	*NTH* **90-686SS**	G	Automotive ⅜" Body ¼" Female Coupler
25	*NTH* **90-685SS**	G	Automotive ⅜" Body ¼" Male Plug
25	*NTH* **90-605SS**	E	Industrial ⅜" Body ¼" Male Plug
25	*NTH* **90-6003SS***	HVLP	Adapter Plug ¼" NPT Thread

**** For use only with** NTH **90-6002 only.***

TYPE A

MADE IN USA

NAPA Tire Hardware



NTH **90-645**



NTH **90-644**



NTH **90-648**



NTH **90-650**

LINCOLN™ STYLE COUPLERS & PLUGS

Type A. These interchange with Lincoln™ Long Nose Series as well as units produced by other manufacturers.

Male Thread	Female Thread	NPT Size
Couplers		
NTH **90-645**	*NTH* **90-644**	¼"
Adapter Plugs		
NTH **90-648**	*NTH* **90-650**	¼"

Specifications subject to change with out notice. Units may not be exactly as pictured.

TYPE B

MADE IN USA

NAPA Tire Hardware


NTH 90-614


NTH 90-612


NTH 90-614BR*


NTH 90-601


NTH 90-603


NTH 90-679


NTH 90-613


NTH 90-618


NTH 90-620BR*


NTH 90-619


NTH 90-621


NTH 90-620

Combo Pack
NTH 90-622



ARO™ STYLE COUPLERS & PLUGS

Type B. These interchange with Aro™ 210 as well as units produced by many other manufacturers.

PUSH-TO-CONNECT COUPLERS

These couplers automatically connect by pushing the plug into the coupler and disconnect when sleeve is pulled back. Use standard Type B adapter plugs. Have maximum working pressure of 250 PSI.

Male Thread	Female Thread	NPT Size
Couplers		
NTH 90-614	NTH 90-612	1/4"
NTH 90-614BR*	NTH 90-612BR*	1/4"
NTH 90-601	NTH 90-603	3/8"
Push-to-Connect Couplers		
NTH 90-679	NTH 90-613	1/4"
Adapter Plugs		
NTH 90-618	NTH 90-620	1/4"
NTH 90-618BR*	NTH 90-620BR	1/4"
NTH 90-619	NTH 90-621	3/8"
Combo Pack (1 Ea. NTH 90-612/NTH 90-618)		
—	NTH 90-622	1/4"

** = Brass*

TYPE B

Legacy

COLORCONNEX™ TYPE "B" COUPLERS & PLUGS FOR NITROGEN LINES



Item No.	Description	Total Pieces
NPT 61-3864	Green ARO 1/4" Body, 1/4" NPT Coupler & Plug Kit. Includes female plug, 1 male plug, & 1 female coupler.	3

Specifications subject to change with out notice.
Units may not be exactly as pictured.

TYPE C

MADE IN USA

NAPA Tire Hardware


NTH 90-610


NTH 90-600


NTH 90-610BR*


NTH 90-600BR*


NTH 90-611


NTH 90-604


NTH 90-630


NTH 90-609


NTH 90-624*


NTH 90-626

AUTOMOTIVE STYLE COUPLERS

Type C. These couplers interchange with TruFlate™ as well as units produced by many other manufacturers.


NTH 90-636


NTH 90-602*

Male Thread	Female Thread	Hose Barb Units	NPT Size
Couplers			
NTH 90-610	NTH 90-600	—	1/4"
NTH 90-610BR*	NTH 90-600BR*	—	1/4"
—	—	NTH 90-611	3/8"
Couplers for Recappers			
—	NTH 90-609	—	1/4"
Adapter Plugs			
NTH 90-624	NTH 90-626	NTH 90-628	1/4"
NTH 90-602*	NTH 90-604*	—	1/4"
—	—	NTH 90-630	3/8"
Adapter Plugs for Recappers			
NTH 90-636**	—	—	1/4"**
—	NTH 90-652	—	.482 - 26

** = Brass*
*** Also has inside cap thread.*

TYPE C

Legacy

NPT 61-3874



COLORCONNEX™ TYPE "C" COUPLERS & PLUGS FOR WET LINES

Item No.	Description	Total Pieces
NPT 61-3868	Blue Automotive 1/4" Body, 1/4" FNPT Sleeve Coupler	1
NPT 61-3869	Blue Automotive 1/4" Body, 1/4" MNPT Sleeve Coupler	1
NPT 61-3870	Blue Automotive 1/4" Body, 1/4" FNPT Plug	2
NPT 61-3871	Blue Automotive 1/4" Body, 1/4" MNPT Plug	2
NPT 61-3872	Blue Automotive 1/4" Body, 1/4" NPT Coupler and Plug Kit. Includes 1 female plug, 1 male plug, 1 female coupler.	3
NPT 61-3873	Blue Automotive 1/4" Body, 1/4" NPT Coupler and Plug Kit. Includes 1 female plug, 3 male plugs, 1 female coupler	5
NPT 61-3874	Blue Automotive 1/4" Body, 1/4" NPT Coupler and Plug Kit. Includes 2 female plugs, 3 male plugs, 1 female coupler, and 1 male coupler.	7
NPT 61-3875	Blue Automotive 1/4 Body, 1/4 NPT Coupler and Plug Kit. Includes 4 female plugs, 6 male plugs, 2 female couplers, and 2 male couplers.	14

TYPE D

MADE IN USA

NAPA Tire Hardware


NTH **90-672**


NTH **90-670**


NTH **90-671**


NTH **90-672BR**


NTH **90-670BR**


NTH **90-657**


NTH **90-667**


NTH **90-617**


NTH **90-615**


NTH **90-674**


NTH **90-676**


NTH **90-673**


NTH **90-674BR***


NTH **90-676BR**


NTH **90-659**


NTH **90-677**


NTH **90-669**

INDUSTRIAL INTERCHANGE COUPLERS & PLUGS

Type D. These interchange with Hansen™, Milton™, Foster™, Aro™, Parker™ and others.

PUSH-TO-CONNECT COUPLERS

These couplers automatically connect by pushing the plug into the coupler and disconnect when sleeve is pulled back. Use standard Type D adapter plugs. Have maximum working pressure of 250 PSI.

Male Thread	Female Thread	Hose Barb Units	NPT or Barb Size
Couplers			
NTH **90-672**	*NTH* **90-670**	*NTH* **90-671**	¼"
NTH **90-672BR***	*NTH* **90-670BR***	—	¼"
NTH **90-657**	*NTH* **90-667**	—	⅜"
Push-to-Connect Couplers			
NTH **90-617**	*NTH* **90-615**	—	¼"
Adapter Plugs			
NTH **90-674**	*NTH* **90-676**	*NTH* **90-673**	¼"
NTH **90-674BR***	*NTH* **90-676BR***	—	¼"
NTH **90-677**	*NTH* **90-659**	—	⅜"
Combo Pack (1 Ea. *NTH* 90-670/*NTH* 90-674)			
—	*NTH* **90-669**	—	¼"

* = *Brass*

TYPE D

Legacy

NPT **61-3883**



COLORCONNEX™ TYPE "D" COUPLERS & PLUGS FOR DRY LINES

Item No.	Description	Total Pieces
NPT **61-3876**	Red Industrial ¼" Body, ¼" FNPT Sleeve Coupler	1
NPT **61-3877**	Red Industrial ¼" Body, ¼" MNPT Sleeve Coupler	1
NPT **61-3878**	Red Industrial ¼" Body, ¼" FNPT Plug	2
NPT **61-3879**	Red Industrial ¼" Body, ¼" MNPT Plug	2
NPT **61-3880**	Red Industrial ¼" Body, ¼" NPT Coupler and Plug Kit. Includes 1 female plug, 1 male plug, and 1 female coupler.	3
NPT **61-3881**	Red Industrial ¼" Body, ¼" NPT Coupler and Plug Kit. Includes 1 female plug, 3 male plugs, and 1 female coupler.	5
NPT **61-3882**	Red Industrial ¼" Body, ¼" NPT Coupler and Plug Kit. Includes 2 female plugs, 3 male plugs, 1 female coupler, and 1 male coupler.	7
NPT **61-3883**	Red Industrial ¼" Body, ¼" NPT Coupler and Plug Kit. Includes 4 female plugs, 6 male plugs, 2 female couplers, and 2 male couplers.	14

TYPE E

MADE IN USA

NAPA Tire Hardware


NTH **90-625**


NTH **90-629**


NTH **90-682**


NTH **90-680**


NTH **90-635**


NTH **90-627**


NTH **90-631**


NTH **90-637**


NTH **90-605**


NTH **90-606**


NTH **90-649**


NTH **90-683**


NTH **90-681**


NTH **90-651**


NTH **90-641**


NTH **90-647**

3/8 IN. INDUSTRIAL INTERCHANGE COUPLERS & PLUGS

Type E. This group of medium-sized couplers and plugs provide greater air flow than ¼" units.

This group of medium-sized couplers and plugs provide greater air flow than ¼" inch units

Male Thread	Female Thread	Hose Barb Units	NPT or Barb Size
Couplers			
NTH **90-625**	*NTH* **90-629**	*NTH* **90-632**	¼"
NTH **90-682**	*NTH* **90-680**	*NTH* **90-635**	⅜"
NTH **90-627**	*NTH* **90-631**	*NTH* **90-637**	½"
Adapter Plugs			
NTH **90-605**	*NTH* **90-606**	*NTH* **90-649**	¼"
NTH **90-683**	*NTH* **90-681**	*NTH* **90-651**	⅜"
NTH **90-641**	*NTH* **90-647**	—	½"

Specifications subject to change with out notice. Units may not be exactly as pictured.

TYPE F

MADE IN USA

NAPA Tire Hardware



NTH 90-690 NTH 90-664 NTH 90-662 NTH 90-692



NTH 90-689 NTH 90-691 NTH 90-666 NTH 90-668

1/2 IN. AUTOMOTIVE STYLE COUPLERS & PLUGS

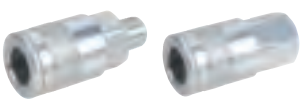
Type F. These can be used with either ½" automotive or ½" industrial interchange plugs.

Male Thread	Female Thread	NPT Size
Couplers		
—	NTH 90-690	⅜"
NTH 90-664	NTH 90-662	½"
—	NTH 90-692 Raised Sleeve	½"
Adapter Plugs		
NTH 90-689	NTH 90-691	⅜"
NTH 90-666	NTH 90-668	½"

TYPE G

MADE IN USA

NAPA Tire Hardware



NTH 90-684 NTH 90-686



NTH 90-656 NTH 90-654 NTH 90-521 NTH 90-508



NTH 90-509 NTH 90-517 NTH 90-685 NTH 90-687



NTH 90-658 NTH 90-660 NTH 90-530 NTH 90-513

3/8 IN. AUTOMOTIVE STYLE COUPLERS & PLUGS

Type G.

Male Thread	Female Thread	Hose Barb Units	NPT or Barb Size
Couplers			
NTH 90-684	NTH 90-686	—	¼"
NTH 90-656	NTH 90-654	NTH 90-521	⅜"
NTH 90-508	NTH 90-509	—	½"
—	NTH 90-517	—	½"
Adapter Plugs			
NTH 90-685	NTH 90-687	—	¼"
NTH 60-658	NTH 90-660	NTH 90-530	⅜"
—	NTH 90-513	—	½"

TYPE H

MADE IN USA

NAPA Tire Hardware



NTH 90-587 NTH 90-578 NTH 90-588

1/2 IN. INDUSTRIAL INTERCHANGE PLUGS

Type H. These ½" industrial interchange adapter plugs are completely interchangeable with the Type F automotive series shown above.

Male Thread	Female Thread	NPT Size
Adapter Plugs		
—	NTH 90-587	⅜"
NTH 90-578	NTH 90-588	½"

TYPE L

MADE IN USA

NAPA Tire Hardware

STRAIGHT-THROUGH COUPLERS & ADAPTER PLUGS FOR LIQUIDS

Available in ¼" and ⅜" body sizes. These units have no valves. Smooth, straight-through bore gives maximum flow with minimum pressure drop. Couplers are brass with stainless steel balls and springs. Plugs are brass. For use with pressure washers, carpet cleaners and car wash equipment.



NTH 90-926 NTH 90-929 NTH 90-931 NTH 90-934

1/4 IN. BODY COUPLERS & PLUGS

Type L.

Male Thread	Female Thread	NPT Thread
Couplers		
NTH 90-926	NTH 90-929	¼"
Adapter Plugs		
NTH 90-931	NTH 90-934	¼"

TYPE M

MADE IN USA

NAPA Tire Hardware



NTH 90-927 NTH 90-930 NTH 90-932 NTH 90-935

3/8 IN. BODY COUPLERS & PLUGS

Type M. Brass.

Male Thread	Female Thread	NPT Thread
Couplers		
NTH 90-927	NTH 90-930	⅜"
Adapter Plugs		
NTH 90-932	NTH 90-935	⅜"

Specifications subject to change with out notice. Units may not be exactly as pictured.

CENTER OF INJURY RADIAL TIRE REPAIR APPLICATIONS

Using This Chart

1) Measure the injury being repaired across the largest area of broken or removed coed. If injury is in sidewall measure with(across the cords) and length (along the cords). If injury is in the thread or shoulder area, measure the diameter of the injury
2) Locate these measurements under the appropriate injury column. If actual injury size is between measurements on the chart, go up the next largest measurement
3) When you locate the correct injury size on the chart, go to the appropriate tire size column. Where the injury size row and the tire size column intersect is the correct COI Radial repair unit to use



Injury Size			Tire Size					
Sidewall Injury		Tread Injury	Passenger	Light Truck	Heavy Truck			Earthmover
 L= Length of Injury W= Width of Injury								
Maximum Width	**Maximum Length**	**Maximum Diameter**	**125-195 Item No.**	**205-225 Item No**	**6.50-12.50 7-10 215/85-233/85 215/75-265/75 Item No**	**7.50-10.00 8-11 235/80-275/80 245/75-295-75 Item No**	**11.00-14.00 12-16.5 295/80-315/80 315/75-425/65 Item No**	**14.00-40.00 15.5-50.5 20.65-65/65 Item No**
—	—	1/8" (3mm)	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1244**
1/8" (3mm)	1/8" (3mm)	—	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1227**	BK **710-1243**
1/4" (6mm)	—	1/4" (6mm)	BK **710-1227**	BK **710-1227**	BK **710-1229**	BK **710-1229**	BK **710-1229**	BK **710-1244**
1/4" (6mm)	1/4" (6mm)	—	BK **710-1227**	BK **710-1227**	BK **710-1229**	BK **710-1229**	BK **710-1229**	BK **710-1243**
1/4" (6mm)	1/2" (12mm)	—	BK **710-1227**	BK **710-1227**	BK **710-1234**	BK **710-1243**	BK **710-1242**	BK **710-1243**
1/4" (6mm)	2" (50mm)	—	BK **710-1229**	BK **710-1229**	BK **710-1240**	BK **710-1243**	BK **710-1242**	BK **710-1243**
1 cable	1/2" (40mm)	—	—	—	BK **710-1234**	BK **710-1234**	BK **710-1234**	—
1 cable	3 1/8" (80mm)	—	—	—	BK **710-1240**	BK **710-1240**	BK **710-1240**	—
1 cable	4 3/4" (120mm)	—	—	—	—	BK **710-1241**	BK **710-1241**	—
1 cable	6" (150mm)	—	—	—	—	BK **710-1243**	BK **710-1243**	—
2 cable	3/4" (19mm)	—	—	—	BK **710-1234**	BK **710-1234**	BK **710-1240**	—
2 cable	1 1/2" (40mm)	—	—	—	BK **710-1234**	BK **710-1240**	BK **710-1241**	—
2 cable	2 3/8" (19mm)	—	—	—	BK **710-1234**	BK **710-1241**	BK **710-1243**	—
2 cable	5 1/8" (130mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
—	—	3/8" (10mm)	BK **710-1227**	BK **710-1227**	BK **710-1234**	BK **710-1234**	BK **710-1234**	BK **710-1244**
3/8" (10mm)	3/8" (10mm)	—	BK **710-1227**	BK **710-1227**	BK **710-1234**	BK **710-1234**	BK **710-1234**	BK **710-1243**
3/8" (10mm)	1 1/2" (40mm)	—	BK **710-1229**	BK **710-1229**	BK **710-1234**	BK **710-1243**	BK **710-1242**	BK **710-1243**
3/8" (10mm)	2" (50mm)	—	BK **710-1234**	BK **710-1234**	BK **710-1240**	BK **710-1243**	BK **710-1242**	BK **710-1243**
3/8" (10mm)	2 3/8" (60mm)	—	—	—	BK **710-1240**	BK **710-1243**	BK **710-1242**	BK **710-1243**
3/8" (10mm)	3 1/8" (80mm)	—	—	—	BK **710-1243**	BK **710-1243**	BK **710-1243**	BK **710-1243**
3/8" (10mm)	5 1/8" (130mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
—	—	1/2" (12mm)	BK **710-1229**	BK **710-1229**	BK **710-1240**	BK **710-1242**	BK **710-1242**	BK **710-1244**
1/2" (12mm)	1 1/2" (40mm)	—	BK **710-1229**	BK **710-1229**	BK **710-1240**	BK **710-1242**	BK **710-1242**	BK **710-1244**
1/2" (12mm)	2" (50mm)	—	BK **710-1234**	BK **710-1234**	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**
1/2" (12mm)	2 3/4" (70mm)	—	—	—	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**
1/2" (12mm)	3 3/4" (95mm)	—	—	—	BK **710-1242**	BK **710-1243**	BK **710-1243**	—
1/2" (12mm)	5 1/8" (130mm)	—	—	—	—	BK **710-1244**	BK **710-1244**	—
—	—	3/4" (19mm)	BK **710-1229**	BK **710-1229**	BK **710-1229**	BK **710-1242**	BK **710-1243**	BK **710-1244**
3/4" (19mm)	3/4" (20mm)	—	BK **710-1229**	BK **710-1229**	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**
3/4" (19mm)	1" (25mm)	—	BK **710-1229**	BK **710-1234**	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**
3/4" (19mm)	1 1/2" (40mm)	—	BK **710-1229**	BK **710-1234**	BK **710-1241**	BK **710-1242**	BK **710-1242**	BK **710-1244**
3/4" (19mm)	2" (50mm)	—	BK **710-1234**	BK **710-1234**	BK **710-1241**	BK **710-1242**	BK **710-1243**	BK **710-1244**
3/4" (19mm)	2 1/2" (65mm)	—	—	—	BK **710-1241**	BK **710-1242**	BK **710-1243**	BK **710-1244**
3/4" (19mm)	4 3/8" (110mm)	—	—	—	—	BK **710-1243**	BK **710-1243**	—
3/4" (19mm)	5 1/8" (130mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
—	—	1/8" (3mm)	BK **710-1234**	BK **710-1234**	BK **710-1242**	BK **710-1244**	BK **710-1244**	BK **710-1244**
1" (25mm)	1 1/2" (40mm)	—	BK **710-1234**	BK **710-1234**	BK **710-1242**	BK **710-1243**	BK **710-1244**	—
1" (25mm)	2" (50mm)	—	BK **710-1234**	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**	—
1" (25mm)	3 1/8" (80mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
1" (25mm)	4" (100mm)	—	—	—	—	BK **710-1244**	BK **710-1244**	—
—	—	1/8" (3mm)	BK **710-1234**	BK **710-1234**	BK **710-1242**	BK **710-1244**	BK **710-1244**	BK **710-1244**
1" (25mm)	1 1/2" (40mm)	—	BK **710-1234**	BK **710-1234**	BK **710-1242**	BK **710-1243**	BK **710-1244**	—
1" (25mm)	2" (50mm)	—	BK **710-1234**	BK **710-1240**	BK **710-1242**	BK **710-1243**	BK **710-1244**	—
1" (25mm)	3 1/8" (80mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
1" (25mm)	4" (100mm)	—	—	—	—	BK **710-1244**	BK **710-1244**	—
—	—	1 1/4" (30mm)	BK **710-1229**	BK **710-1229**	—	BK **710-1243**	BK **710-1243**	—
1 1/4" (30mm)	2" (50mm)	—	—	—	—	BK **710-1243**	BK **710-1244**	—
1 1/4" (30mm)	3 1/8" (80mm)	—	—	—	—	BK **710-1244**	BK **710-1244**	—
1 1/4" (30mm)	4" (100mm)	—	—	—	—	BK **710-1244**	—	—
—	—	1 1/2" (40mm)	—	—	—	BK **710-1243**	BK **710-1243**	—
1 1/2" (40mm)	2" (50mm)	—	—	—	—	BK **710-1244**	BK **710-1244**	—
1 1/2" (40mm)	3 1/8" (80mm)	—	—	—	—	BK **710-1244**	—	—

CENTER OF INJURY RADIAL TIRE REPAIR APPLICATIONS (CONTINUED)

Maximum Width	Maximum Length	Maximum Diameter	125-195 Item No.	205-225 Item No.	6.50-12.50 7-10 215/85-233/85 215/75-265/75 Item No.	7.50-10.00 8-11 235/80-275/80 245/75-295-75 Item No.	11.00-14.00 12-16.5 295/80-315/80 315/75-425/65 Item No.	14.00-40.00 15.5-50.5 20.65-65/65 Item No.
Shoulder Injury								
		1/4" (6mm)	*BK* **710-1227**	*BK* **710-1227**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1243**	*BK* **710-1243**
		3/8" (10mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1243**
		1/2" (12mm)	*BK* **710-1229**	*BK* **710-1229**	*BK* **710-1234**	*BK* **710-1240**	*BK* **710-1242**	*BK* **710-1244**
		3/4" (19mm)	—	—	*BK* **710-1240**	*BK* **710-1240**	*BK* **710-1242**	—
		1" (25mm)	—	—	*BK* **710-1242**	*BK* **710-1243**	*BK* **710-1243**	—
		1 1/2" (40mm)	—	—	—	*BK* **710-1244**	*BK* **710-1244**	—

BIAS-PLY REINFORCED TIRE REPAIR APPLICATIONS

1. Use the appropriate section of the chart for the repair being performed.
2. Note the ply rating of the tire being repaired and locate in left-hand column of appropriate section.
3. Measure the injury being repaired across the largest area of broken/removed cord. Locate it, or the next largest size, along top row.
4. Use specified repair unit where the column and row intersect.

Injury Size Chart

Tire Ply Rating	3mm 1/8" Item No.*	6mm 1/4" Item No.*	10mm 3/8" Item No.*	15mm 1/2" Item No.*	20mm 3/4" Item No.*	25mm 1" Item No.*	40mm 1 1/2" Item No.*	50mm 2" Item No.*	65mm 2 1/2" Item No.*	75mm 3" Item No.*	100mm 4" Item No.*	125mm 5" Item No.*	150mm 6" Item No.*
Earthmover/Passenger/Truck													
4	**710-1195**	**710-1195**	**710-1203**	**710-1206**	**710-1207**	**710-1207**	**710-1207**	**710-1216**	**710-1217**	—	—	—	—
6-8	**710-1195**	**710-1203**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	—	—	—	—
10-12	**710-1195**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1219**	—	—
14-16	**710-1195**	**710-1206**	**710-1207**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1219**	**710-1219**	**710-1226**	—	—
18-20	**710-1203**	**710-1206**	**710-1216**	**710-1216**	**710-1217**	**710-1218**	**710-1219**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—	—
22-24	**710-1203**	**710-1206**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1226**	**710-1226**	**710-1226**	—	—	—
Farm/Skidder/Tractor													
4-6	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1219**	**710-1219**
8-12	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1218**	**710-1226**	**710-1226**
14-16	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—
18	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1217**	**710-1218**	**710-1218**	**710-1226**	**710-1226**	**710-1226**	**710-1226**	—	—
Reinforcement Repair (Less than 75% of Tire Plies Damaged)													
8-12	**710-1195**	**710-1203**	**710-1206**	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1219**	**710-1226**	—
14-18	**710-1195**	**710-1206**	**710-1207**	**710-1207**	**710-1216**	**710-1216**	**710-1216**	**710-1217**	**710-1218**	**710-1218**	**710-1219**	**710-1226**	—
20-24	**710-1203**	**710-1206**	**710-1207**	**710-1216**	**710-1216**	**710-1217**	**710-1217**	**710-1218**	**710-1219**	**710-1219**	**710-1226**	**710-1226**	—

***When ordering, please add *BK* to the beginning of the part number.**

RADIAL TIRE NON-REPAIRABLE AREAS

Type/Tire Size	Measure From Toe of Bead Down Inner Liner
Light Truck	2 1/4" (57mm)
Passenger	2 1/2" (63mm)
Truck, 7.50	3 1/2" (89mm)
Truck, 8.50	3 1/4" (83mm)
Truck, 9.00-12.00	4" (102mm)

BIAS PLY TIRE NON-REPAIRABLE AREAS

Tire Size	Measure From Toe of Bead Down Inner Liner
7.00-8.75	3 1/4" (80mm)
9.00-14.00	4" (100mm)
16.00-18.00	5" (125mm)
21.00-29.50	6" (150mm)

BIAS-PLY REINFORCED TIRE REPAIRS



Designed for use in puncture, reinforcing or section repairs. Can be applied in any repairable area of a tube or tubeless bias-ply tire. Vulcanizes chemically or in heat-curing systems. Feather-edge design eliminates chafing.

Item No.	Size	Ply	Qty. Per Box
BK **710-1206**	3 1/2"	2	10
BK **710-1207**	4 1/2"	2	10
BK **710-1216**	7"	3	10
BK **710-1217**	9"	4	10
BK **710-1218**	10"	6	5
BK **710-1219**	12"	6	5
BK **710-1226**	15"	8	5



CENTER OF INJURY RADIAL TIRE REPAIRS

Item No.	Size W.	Size L.	Ply	Qty. Per Box
BK **710-1227**	2"	3"	1	20
BK **710-1229**	2¼"	4"	1	10
BK **710-1234**	3"	5"	2	10
BK **710-1240**	3"	6"	2	10
BK **710-1241**	3"	8½"	2	10
BK **710-1242**	4"	7½"	3	5
BK **710-1243**	5"	10"	4	5
BK **710-1244**	5"	13"	4	5

USA STYLE BIAS PLY TIRE REPAIR UNITS

Bias ply repair units are reinforced to repair bias ply tires. Can use in heat system or chemical vulcanization process. Material type is rubber. Flexible design comparable to Tech™ branded repair units. Made in the USA.



Item No.	Tire Patch Size	Ply	Qty. Per Box
BK **710-1814**	CP3, 4⅜" x 4⅜"	2	10
BK **710-1815**	CP4, 5½" x 5½"	4	10
BK **710-1816**	CP5, 6¾" x 6¾"	4	10
BK **710-1817**	CP6, 9⅝" x 9⅝"	6	5
BK **710-1818**	CP7, 11⅜" x 11⅜"	6	5
BK **710-1819**	CP8, 13⅜" x 13⅜"	6	5
BK **710-1820**	CP9, 15" x 15"	8	3

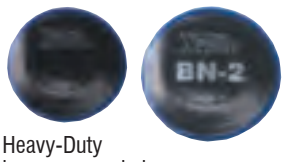
EURO-STYLE COI RADIAL REPAIR UNITS

Center of Injury (COI) radial repair units are reinforced for permanent radial tire repair. Can be used in heat systems or chemical vulcanization process. Made in the USA. Material type is rubber. Stiffer design, more comparable to REMA™ branded radial repair units.



Item No.	Tire Patch Size	Ply	Qty. Per Box
BK **710-1227**	Radial 10, 2" x 3"	1	20
BK **710-1229**	Radial 12, 2¼" x 4"	1	10
BK **710-1234**	Radial 20, 2¾" x 5"	2	10
BK **710-1240**	Radial 22, 3" x 6"	2	10
BK **710-1241**	Radial 24, 2⅞" x 8½	2	10
BK **710-1242**	Radial 40, 3⅞" x 7⅜"	3	10
BK **710-1243**	Radial 42, 4⅞" x 9⅞"	4	10
BK **710-1244**	Radial 44, 4¾" x 13"	4	10

UNIVERSAL TIRE REPAIR UNITS



Designed for radial or bias-ply tires.
Repairs nail holes and other punctures. Heavy-Duty Cement, *BK* **765-1685** or *BK* **765-1688** is recommended.

BK **710-1039** 2⅛" dia., 30 per box.
BK **710-1049** 3" dia., 20 per box.



BIAS-PLY TIRE REPAIRS

Right-angle, high-tensile cord for strength.
Designed for tube or tubeless tires. Chemically vulcanizes.

Item No.	Description	Ply	Qty./Box
BK **710-1060**	3½" x 3½", Nail Hole	2	5
BK **710-1061**	4½" x 4½", Small	2	5
BK **710-1062**	5½" x 5½", Med.	2	5
BK **710-1064**	7½" x 7½", Med./Large	4	5
BK **710-1065**	8½" x 8½", Large	4	5
BK **710-1066**	10½" x 10½", Truck	6	6
BK **710-1067**	12½" x 12½", Tractor	6	6
BK **710-1068**	15½" x 15½", Tractor	8	6

RADIAL TIRE REPAIR PATCHES

Chemically vulcanizing patches with reinforced polyester cord are designed to flex with radial tires. For tread and sidewall repairs. May be applied hot or cold. Use *BK* **765-1198** Vulcanizing Cement. Box of 10.



Item No.	Description
BK **710-1080**	Small, ⅛" Injury
BK **710-1081**	Medium, ¼" Injury
BK **710-1082**	Large, ½" Injury

USA STYLE RADIAL REINFORCED TIRE REPAIR

Radial reinforced for permanent radial tire repair. Can use in heat system or chemical vulcanization process. Made in the USA. Material type is rubber. Flexible design comparable to Tech™ branded repair units.



Item No.	Tire Patch Size	Ply	Qty. Per Box
BK **710-1821**	Radial 10, 2⅜" x 3"	1	20
BK **710-1822**	Radial 12, 2¼" x 4"	1	10
BK **710-1823**	Radial 20, 2⅞" x 5"	2	10
BK **710-1824**	Radial 22, 3" x 6"	2	10
BK **710-1825**	Radial 24, 3" x 8½"	2	10
BK **710-1826**	Radial 40, 4" x 7⅜"	3	10
BK **710-1827**	Radial 42, 5" x 10"	4	10
BK **710-1828**	Radial 44, 5" x 13"	4	10

LEAD-WIRE COMBINATION TIRE REPAIR UNITS

No special wire pulling tools required! Just insert lead wire into injury from inside the tire and pull repair through from the outside. Both stem and repair are gum-coated, providing a complete bond through the injury and on the inner liner. Black with gray, chemically-vulcanizing gum. Will also vulcanize in a heat-curing system.



Item No.	Patch Size	Stem Diameter
BK **710-1596**	1" (25 mm)	1/8" (3 mm)
BK **710-1597**	1 3/4" (45 mm)	1/4" (6 mm)
BK **710-1598**	2" (8 mm)	5/16" (8 mm)
BK **710-1599**	2" (50 mm)	3/8" (10 mm)

PLUG-N-PATCH ROUND RUBBER TIRE REPAIRS

For nail hole injuries on cars and trucks.
Feature molded-in straight pin.



Item No.	Patch Size	Stem Diameter
BK **710-1642**	5/8" (42mm)	5/32" (4mm)
BK **710-1643**	1 7/8" (47mm)	7/32" (5.5mm)
BK **710-1644**	2 1/8" (55mm)	5/16" (8mm)

PLUG-N-PATCH RETAIL ROUND TIRE REPAIR KIT

For nail hole injuries on cars and light trucks.
Features molded-in straight pin. Kit includes one small (*BK* **710-1642**) and one medium (*BK* **710-1643**) repair.

BK **710-1645**





HEAVY-DUTY PREMIUM STRING KITS

Features patented comfort-grip T-handle, spiral probe and insert needle. This string kit is excellent for repairing heavy-duty passenger car and truck tires. Contents: 4" or 8" strings, heavy-duty T-handle with needle and probe, lubricant, knife, instructions, and valve core screwdriver all in a blow-molded case.

BK **710-1830** Kit w/ 4" Strings
BK **710-1831** Kit w/ 8" Strings



TIRE REPAIR CABINET ASSORTMENT

- The perfect solution for anyone wanting to start up a tire repair service
- Helps keep tire repair supplies organized. Better inventory control
- Free-standing or wall mount cabinet
- Includes reorder pad for ease of restocking
- Product and cabinet will be NAPA branded

Contents

Item No	Description	Qty.
BK **710-1051**	(30) 2 1/4" Round Radial Patch	1
BK **710-1056**	(30) 2 1/4" Oval Radial Patch	1
BK **710-1050**	(30) 3 1/8" Round Radial Patch	1
BK **710-1227**	(20) 2" x 3" Reinforced Radial Patch-R*MA-style	1
BK **710-1598**	Patch Plug Comb. (Wire Lead Type) 2" Patch, 5 1/16" Stem	1
BK **710-1597**	Patch Plug Comb. (Wire Lead Type) 1 3/4" Patch, 1/4" Stem	1
BK **710-1691**	(20) Lead Wire Inserts 1/4"	1
BK **710-1690**	(20) Lead Wire Inserts 3/16"	1
BK **765-1198**	Vulcanizing Cement - 8 oz. can	1
BK **710-1204**	32 oz. can Flammable Bead Sealer	1
BK **765-1322**	32 oz. can Liquid Rubber Buffer Cleaner	1
BK **710-1222**	White Paint Marker-3/4" Round	1
BK **710-1117**	Tubeless Tire Repair Probe/Rasp	1
BK **710-1212**	2" with 1/4" Hole Buffing Wheel	1
BK **710-1648**	Truck Tire Spiral Probe	1
BK **710-1110**	Tire Stitcher	1
BK **710-1099**	Tire Repair Probe	1
BK **710-1205**	Inner Liner Scraper	1
BK **710-1004**	Quick-Change Short Adapter 3/8" x 24 threads	1
BK **710-1678**	Low-Speed, Quick-Change Buffer-1/4" Inlet	1
BK **710-1119**	Rigid Skiving Knife-4" Blade	1
BK **710-1682**	Buffer Quick Change Adapter 1/4" Shank-Cutting	1
BK **710-1681**	Buffer Quick Change Adapter 3/16" Shank-Cutting	1
BK **710-1684**	3/16" Dia. Carbide Cutter-Diamond Cut	1
BK **710-1685**	7/32" Dia. Carbide Cutter-Diamond Cut	1

BK **899-2426**

RADIAL TIRE REPAIR KIT
Special formula makes this kit ideal for steel-belted, radial tires — no cement required! May also be used on other radials, as well as tubeless tires. Conforms to the shape of injury for on-the-rim repairs. Kit includes 10 repairs and inserting needle.
BK **710-1033**



FOIL-BACK TIRE REPAIR KIT
Kit includes three 1½" and two, 2⅛" round patches, and 0.41 oz. of universal cement.
BK **710-1702**



RADIAL TIRE REPAIR KIT
Pure rubber flows into injury forming a lasting repair. Chemically vulcanizing repairs may also be used on other tubeless tires and inner tubes. Kit includes four 2¼" repairs, cement and buffer.
BK **710-1096**



COLD PROCESS RUBBER TIRE REPAIR KIT
Everything required to create lasting rubber repairs. Kit includes six square inches of rubber, three (1" x 1") repairs, cement and buffer.
BK **710-1091**



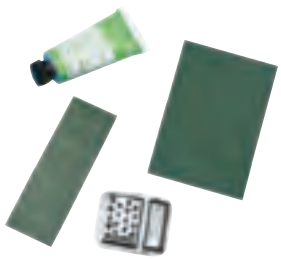
EURO-STYLE TIRE REPAIR KIT
Kit includes four 2⅛" round universal patches and 0.41 oz. of universal cement.
BK **710-1700**



RUBBER TIRE REPAIR KIT
Chemically vulcanizing repairs for tubeless tires and inner tubes. Kit includes three 1⅝" and two, 2¼" featheredge repairs, cement and thumb buffer. Not recommended for use on radial tires.
BK **710-1090**



RUBBER/VINYL TIRE REPAIR KIT
Kit includes six square inches of rubber, three (1" x 1") repairs, one tube of cement and buffer.
BK **710-1093**



SUPER-GRIP EMERGENCY TIRE REPAIR KIT
For all bias-ply and non-speed rated radial tires. Kit includes five radial inserts, super-grip rasp, open-eye tool and 0.41 fl. oz. of universal cement.
BK **710-1639**



RADIAL TIRE REPAIR INSERT KIT
Heavy-duty four inch inserts are excellent for emergency repairs of nail holes in passenger tires. Also great for the repair of ATV, golf cart and lawn mower tires. Kit includes one box of 20 radial tire inserts (*BK* **710-1149**), one probe, one needle and cement.



Item No.	Description
BK **710-1147**	Kit
BK **710-1149**	4" Repair Inserts
BK **710-1117**	Probe
BK **710-1116**	Split Eye Insert Needle
BK **765-1198**	Cement 8 oz.

TIRE REPAIR PATCHES



Reinforced patched for Bias-Ply tires are designed to repair small injuries. Constructed of high-tensile, right angle cord fabric.

BK **710-1084** 3½" x 3½"
BK **710-1083** 5½" x 5½"

UNIVERSAL ROUND RADIAL TIRE REPAIR PATCHES



For all repairs of radial tires (may also be used on belted bias tires), including tread, shoulder and sidewall. Reinforced rubber for optimum flexing action. Chemical vulcanization

Item No.	Description	Qty./Box
BK **710-1051**	Small, 2¼"	30
BK **510-1051**	Value Small, 2¼"	30
BK **710-1050**	Medium, 3⅛"	20
BK **510-1050**	Value Medium, 3⅛"	20
BK **710-1052**	Large, 4⅛"	10
BK **510-1052**	Value Large, 4⅛"	10

FEATHEREDGE TIRE REPAIR PATCHES



Patches with split backing chemically vulcanize when applied with cement. May be applied hot or cold. For non-radial repairs.

Item No.	Description	Qty./Box
BK **710-1055**	Small Round, 1⅝"	40
BK **510-1055**	Value Small Round, 1⅝"	40
BK **710-1056**	Medium Round, 2¼"	30
BK **510-1056**	Value Medium Round, 2¼"	30
BK **710-1059**	Large Round, 3⅛"	20
BK **510-1059**	Value Large Round, 3⅛"	20
BK **710-1057**	Small Oval, 1⅜" x 2⅜"	30
BK **710-1058**	Medium Oval, 1⅞" x 3¾"	20
BK **710-1054**	Large Oval, 2½" x 5¾"	20
BK **710-1701**	Round, 2¼"	10

UNIVERSAL RADIAL PATCH TIRE REPAIR KIT



Includes 10 round 2¼-inch radial patches.

BK **710-1701**

TIRE SPREADER



Tire spreader has adjustable claws and sturdy steel construction. Use on passenger and light truck, it is heavy duty black. Comes unassembled. Contents: Tire Spreader, Hardware and Instructions.

BK **813-5018**

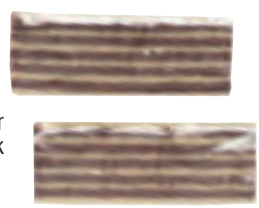
X-LIGHT LED TIRE REPAIR WORK LIGHT



The cordless X-Light is designed for hands-free lighting during tire service and other work applications. The X-Light clips onto the bead of most passenger and light truck tires to provide focused bright light for buffing. The 12" neck is adjustable for optimum light positioning within tight spaces. The X-Light is rechargeable with a powerful lithium-ion battery. The clamp and light head are magnetic for other lighting applications. Lamp housing material is plastic. Lamp dimensions 2.5" x 2.25" x 1.75".

BK **710-1832**

STEEL BELTED RADIAL TRUCK TIRE REPAIR INSERTS



Heavy-duty 8" inserts are excellent for emergency repairs of nail holes in truck tires. Contains 30 inserts.

BK **710-1640**

HEAVY-DUTY RADIAL TIRE REPAIR STRIPS



Self-vulcanizing repairs for all steel-belted and other tubeless tires. Box of 60.

BK **710-1036** Radial Tire Repair Strips
BK **510-1036** Value Tire Repair Strips

RADIAL TIRE REPAIR STRINGS



For repairs on all tubeless tires. String-type repairs are approximately 7¼" long. Box of 50.

BK **710-1185** Radial Tire Repair Strings
BK **510-1185** Value Tire Repairs



HEAVY-DUTY TRUCK TIRE REPAIR INSERTS

Self-vulcanizing. Length: 8". Box of 20.

BK **710-1053** Round
BK **710-1069** Oval

MAGICURE PLY-SEAL TIRE REPAIR STRIPS & ACCESSORIES

Tubeless tire repair strips chemically vulcanize into injury without heat for quick repairs.



Item No.	Description
BK **710-1022**	5-ply Orange, 2¼" x ⅜", Box of 50
BK **710-1023**	5-ply Black, 3⅛" x ⅝", Box of 25
BK **710-1116**	Open Eye Needle
BK **710-1099**	Probe/Rasp

MAGICURE VULCANIZING TIRE PLUGS

Chemically vulcanize throughout injury becoming a permanent part of tire. Use with *BK* **710-1041** Plug Gun. For tubeless tires.



BK **710-1134** 7/16", Box of 15
BK **710-1133** 5/16", Box of 25



BK **710-1833**

HEAVY-DUTY VEHICLE TIRE REPAIR KITS

H.D. Passenger 4" Strings

This string kit has everything you need to handle small tire applications, pistol grip tools. Contents: 50 pieces string, spiral cement probe, pistol-grip needle, lubricant, knife, and repair booklet in a plastic tote.

BK **710-1833**

H.D. Truck 8" Strings

This string kit has everything you need to handle heavier duty applications, longer needle for larger tires. Contents: 25 pieces string, cement probe, pistol-grip needle, lubricant, knife, and repair booklet in a plastic tote.

BK **710-1834**



LARGE TIRE REPAIR & MAINTENANCE KIT

BK **710-1688**

Contents

Qty.	Description
1	Carrying Case
20	Repair Plugs
1	Rubber Cement, ½ oz.
1	Metal Buffer

Qty.	Description
1	T-Handle Insert Tool
1	T-Handle Rasp
1	Tire Gauge, 5-50 PSI
3	Tubeless Tire Patches, Medium Round

KOLPIN

ATV TIRE REPAIR KIT

Don't let a flat tire leave you stranded on the trail. This tire repair kit includes everything needed to repair and inflate ATV tires.

BK **730-5792**



Contents

Qty.	Description
3	CO2 cartridges
1	Regulator/adapter tool
5	Tire seals
1	Roughing tool
1	Installation tool
1	Storage pouch

KOLPIN



ATV FLAT PACKS

Flat packs are designed for ATVs and UTVs and include everything needed to fix up to 10 flat tires. Components fit into integrated, low-pressure pump housing. CO2 is not required. Compact and easy to store.

BK **730-5791**



MAGICURE VULCANIZING TIRE PLUG KIT
Plugs chemically vulcanize and become a permanent part of the tire when shot into an injury. For on- or off-the-wheel repairs.

BK **710-1028**

Contents

Qty.	Item No.	Description
1	*BK* **710-1079**	8 oz. Vulcanizing Cement
1	*BK* **710-1041**	Plug Gun
15	*BK* **710-1134**	7/16" Large Plugs
50	*BK* **710-1133**	5/16" Small Plugs
1	*BK* **710-1117**	Probe

TUBELESS TIRE REPAIR KIT
Quick and easy repair for all tubeless tires. Includes six repair strips, one inserting needle (*BK* **710-1116**), and one tube of cement.

BK **710-1031**



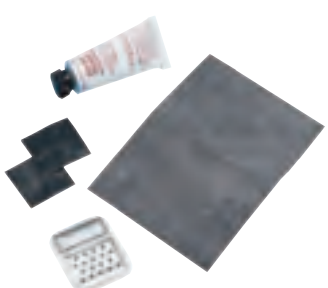
TUBELESS TIRE REFILL KIT
Repair refills for Tubeless Tire Repair Kit (BK **710-1031**). Kit includes 12 repair strips and 0.41 fl. Oz. tube of cement.

BK **710-1111**



CONSUMER TIRE REPAIR KIT
Includes 12 square inches of black rubber, four bevel patches and one tube of cement.

BK **710-1014**





SHOP SIZE TIRE REPAIR KIT
Includes two 5" x 6" patches of rubber, 4 oz. can of cement, 50 1" x 1" bevel patches and one buffer.

BK **710-1011**

RUBBER TIRE REPAIR KIT
Includes one 5" x 6" patch of rubber, eight 1" x 1" bevel patches and 0.41 oz. tube of cement.

BK **710-1032**



UNIVERSAL TIRE REPAIR CEMENT
One ounce tube.

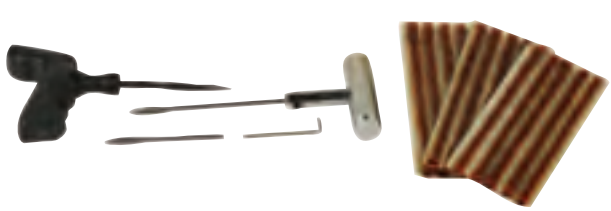
BK **765-2571**



TIRE REPAIR GUN
Sturdy metal gun injects flared-head rubber plugs into holes under extreme compression. Quick and easy to use.

Item No.	Description
BK **710-1041**	Tire Repair Gun
BK **710-1046**	Small Nozzle
BK **710-1047**	Large Nozzle

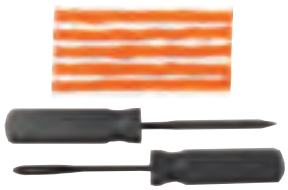




HEAVY-DUTY TRUCK TIRE EMERGENCY REPAIR KIT
Everything necessary for emergency repairs on the largest truck tires. Includes heavy-duty, all steel split-eye tool, spiral cement tool, 1 oz. tube of universal cement and 15 heavy-duty inserts.

BK **710-1641**

STEEL BELTED RADIAL TIRE REPAIR KIT
For use on all tubeless tires. Includes five self-vulcanizing radial inserts, probe and split-eye needle.
BK **710-1112**



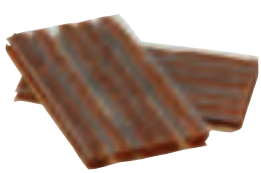
TIRE REPAIR REFILL KIT
Repair refills for Steel-Belted Radial Tire Repair Kit (*BK* **710-1112**). Includes five self-vulcanizing radial inserts and 0.41 fl. oz. of cement.
BK **710-1113**



TUBELESS TIRE REFILL KIT
Six repair strings, open eye needle. Ideal for all tubeless tires. Contains .41 fl. oz. tube of cement.
BK **710-1094**



BROWN STRING TIRE REFILL KIT
Ten repair strings. Length: 4".
BK **710-1703**



BICYCLE TUBE TIRE REPAIR KIT
Kit includes: two $^{13}/_{16}$" patches, six $^{15}/_{16}$" patches and cement.
BK **710-1030**



INNER LINER SEALER
Inner Liner Sealer puts the integrity back into the inner liner of a tire after a repair has been performed. High quality professional tire repair chemicals manufactured in the USA. Hazardous, Flammable. 16 Oz. metal can.
BK **710-1829**



HEAVY-DUTY TIRE REPAIR CEMENTS
Heavy-duty repair units may have up to a 15-ply rating, requiring a heavy-duty cement to cure them. Heavy-duty cements contain more solid and chemical activators than regular universal cements. Black Cement is used for section and some agricultural repairs. Some technicians prefer flammable cements because they speed drying time. Extreme care must be exercised when using flammable cements*.

NON-FLAMMABLE HEAVY-DUTY TIRE REPAIR CEMENT
Chemically vulcanizing tire repair cement.
BK **765-1685** 8 oz.
BK **765-1686** 32 oz.



FLAMMABLE HEAVY-DUTY TIRE REPAIR CEMENT
Chemically vulcanizing cement.
BK **765-1688** 8 oz.
BK **765-1689** 32 oz.



UNIVERSAL VULCANIZING TIRE REPAIR CEMENTS
For use as a cleaning solvent, lubrication agent or sealing cement. May be used with chemical/cold patches, boots, plugs and vulcanizing rubber. Ideal for tires, tubes, and other soft rubber items.

Item No	Description
BK **765-1197**	4 oz.
BK **710-1079**	8 oz.
BK **565-1198**	8 oz., Value Formula
BK **765-1199**	32.oz.



FLAMMABLE TUBELESS TIRE REPAIR BEAD SEALERS
Seals tire to rim in one coat. Use on any tubeless tire. One quart can comes with cap and applicator brush.
BK **710-1204**
BK **510-1204** Value Formula



TIRE REPAIR LIQUID BUFFERS
Special solvent for cleaning tubeless tires and tubes both before, and after, buffing.

Item No.	Description
BK **765-1322**	1 qt. can
BK **565-1322**	1 qt. can, Value Formula
BK **765-1323**	16 oz. spray



*** Warning: Use extreme caution when using flammable cements. Using products contrary to directions or specification could result in injury and/or damage to property.**



TIRE TALC
High-grade talc prevents tube from sticking to tire. Perfect for use in tire repair shops, service stations, garages, etc. Sifter top, 1 lb.
BK **765-1339**



HEAVY-DUTY SPLIT-EYE TRUCK TIRE REPAIR NEEDLE
Metal needle for truck tire repairs.
BK **710-1042** Tire Repair Needle
BK **710-1124** Replacement Needle



HEAVY-DUTY TRUCK TIRE PROBE
Heavy-duty metal probe for truck tire repairs.
BK **710-1648** Tire Probe
BK **710-1649** Replacement Probe



OPEN-EYE TRUCK TIRE REPAIR NEEDLE
Shaft: 8".
BK **710-1044**



TIRE REPAIR PROBE
May be used to clean injuries or, with cement, to lubricate them for easier repair.
BK **710-1099**



SUPER-GRIP CLOSED-EYE TUBELESS TIRE REPAIR NEEDLE
The quick, easy way to repair steel-belted, or any other, tubeless tire.
BK **710-1183**



SUPER-GRIP OPEN-EYE TUBELESS TIRE REPAIR NEEDLE
The quick and easy way to repair steel-belted, or any other, tubeless tire.
BK **710-1116**



NAPA® PREMIUM HEAVY-DUTY TIRE SEALANT
Simply the best tire sealant in the world. AmerSeal® permanently repairs punctures 1/4 inch or larger in heavy ply industrial tires; seals rim and bead leaks including welding cracks on the rims, maintains tire pressure, extends tire life and saves fuel. It is effective in all air-filled tires, and is non-corrosive in the wheels. AmerSeal® is totally water soluble and can be easily rinsed out of tires for recapping. It is non-flammable, and non-explosive. Effective in both hot and cold climates and will not freeze to -45°F. AmerSeal® is homogenous and will not break down either in the container or the tire; Does not affect wheel balancing when properly installed, do not over-applicate tires on high-speed vehicles. Easy to use. Installation tool comes with each bottle.

Tire Type	Recommended Usage
Bicycle Tires	4 oz./120mL
Motorcycle Tires	10 oz./300mL
Tractor Style Mowers	16 oz./480mL (front tires) 24 oz./720mL (rear tires)
ATV Tires	25 oz./750mL (front tires) 32 oz./960mL (rear tires)

See Dealer's Tire Chart for all tire sizes and application amounts.

Item No.	Description
BK **765-2698**	16 oz.
BK **765-2699**	32 oz.
BK **765-2696**	1 gal.
BK **827-2591**	5 gal.
BK **827-2640**	55 gal.
BK **821-3823**	Pump for 5 gal.
BK **809-5061**	Pump for 55 gal.
BK **899-2281**	Premium Tire Sealant Assortment/Floor Demo Display
BK **899-2282**	Premium Tire Sealant Assortment/Counter Demo Display



SUPER-GRIP SPLIT-EYE TUBELESS TIRE REPAIR NEEDLE
The quick and easy way to repair steel-belted, or any other, tubeless tire.
BK **710-1184**



SUPER-GRIP TUBELESS TIRE REPAIR PROBE/RASP
The quick and easy way to repair steel-belted, or any other, tubeless tire.
BK **710-1117**



SUPER-GRIP TRUCK TIRE REPAIR PROBE
Spiral probe/cementing tool for truck tire repairs.
BK **710-1043**

TIRE REPAIR KNIFE
High-carbon steel with four-inch blade and tapered point.
BK **710-1119**



TIRE REPAIR KNIFE
High-carbon steel with curved, 3½" blade and sharp point.
BK **710-1123**





TIRE INNER-LINER SCRAPER
For cleaning inner-liner before buffing.
BK **710-1205**

TUBELESS TIRE STITCHERS
Specially designed for tubeless tires and cold vulcanizing tire patches.
BK **710-1179**



BK **710-1110**

CORRUGATED TIRE STITCHER
Size: 3/16" face x 1½" dia.



BK **710-1178**

BK **710-1110**	Wooden Handle w/ Cold Roll Steel
BK **710-1178**	Plastic Handle w/ Cold Roll Steel

RUGLYDE® RUBBER TIRE LUBRICANT
Ideal for use when mounting/dismounting tires, or cleaning and lubricating other rubber parts.



Item No.	Description
BK **765-1338**	One Gallon
BK **827-2511**	Five Gallon
BK **827-2532**	50 Gallon
BK **710-1196**	Applicator

STRING-TYPE INSERT LUBRICANT
High quality Petroleum-based lubricant for tire string inserts. Ensures the repair won't break during installation. 4 Oz. plastic jar.
BK **765-2885**





SUPER MET-AL® MARKERS
One marker does it ALL! Multi-purpose, quick-dry opaque paint. Temperature range - 2°F up to 600°F. Marks, draws, paints or writes on: metal, wood, glass, plastic, ceramic, cardboard, leather, rubber, and rough or oily surfaces. Paint without the need of a brush. Use pen tip to spread paint. Home - office: Personalize household items. Personalize and identify tools/equipment. Touch-up paint on metal and wood furniture. Industrial uses: welding shop, machine shop, and tool shop, plumbing/pipe work/valves/fittings, warehouse work, ship yards, aeronautic workshop, auto body shops, and electrical work/conduits/cables.

Item No.	Color
BK **710-1634**	Black
BK **710-1635**	Red
BK **710-1675**	Green
BK **710-1676**	Blue
BK **710-1677**	Neon Orange
BK **710-1632**	White
BK **710-1633**	Yellow



SUPER MET-AL® FIBER-TIP MARKERS
Ultra smooth pump action fiber-tip paint marker. Writes on any surface - metal, rubber, glass, wood, plastic, ceramic and cardboard. The ideal tool for machine shops, auto workshops, professional welders, warehouse, shipyards, plumbers...and many more uses. Water resistant, quick dry, and many colors available.

Item No.	Color
BK **710-1712**	White
BK **710-1713**	Yellow
BK **710-1714**	Black
BK **710-1715**	Red
BK **710-1716**	Orange
BK **710-1717**	Blue
BK **710-1718**	Green



TIRE CRAYON
Makes bright, legible markings on all types of rubber. Use to mark injured area of tires and tubes prior to repair. 4⅞ in. x ½ in. Hexagon.

BK **710-1220**	Yellow
BK **710-1221**	White

Use contrary to specifications or directions may result in personal injury or property damage.



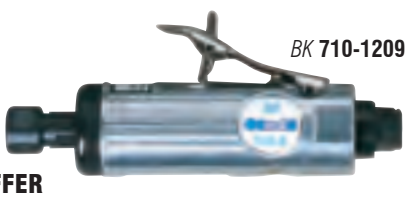
TIRE LETTERING STICK
White lettering stick restores color on raised- or hollow-lettered tires. Water-resistant oil base. Quantity: One, carded.
BK **710-1222**



TIRE MARKING CRAYON
Yellow tire marking crayon clearly marks tire injury location for repair. Quantity: One, carded.
BK **710-1223**



BK **710-1212**



BK **710-1209**

AIR-OPERATED BUFFER
Compact, precision-engineered buffer operates entirely on standard air pressure (best in the 90-150 lb. range), which means there are no electrical parts to wear out. Rear exhaust. Comes with buffing cone, air regulator and 1/4" adapter.
BK **710-1209** Buffer
BK **710-1212** 2" Buffing Cone with 3/8" Arbor Hole

HEAVY-DUTY HIGH-SPEED AIR BUFFER

For truck and tractor tire repairs. RPM: 20,000. Buffing cone sold separately.
BK **710-1037** Buffer
BK **710-1212** 2" Buffing Cone with 3/8" Arbor Hole





LOW-SPEED TIRE BUFFER
Quick-change slip chuck for fast and easy buffing wheel changes. Built-in regulator and lock-off throttle to prevent accidental start-ups. Rear exhaust directs air away from work area.
NPT **6-1037**



EVERCRAFT

LOW-SPEED QUICK-CHANGE AIR BUFFER
For buffing tire inner liner repair area, without scorching rubber. Quick-change chuck included. Air Inlet: 1/4" NPT. Air Consumption: 4 CFM. Working Pressure: 90 PSI. Free Speed: 2,500 RPM.
BK **710-1678**



Chicago Pneumatic

HEAVY-DUTY TIRE BUFFER
CP **CP873K**

Specifications

	CP **CP873K**
Chuck / Wheel Size	7/16" Hex
Min. Hose Size	3/8"
Actual Air Cons. (cfm)	13
Overall Length (In.)	8.25
Net Weight (Lb.)	4.0







BK **710-1681** *BK* **710-1680** *BK* **710-1679**

TIRE REPAIR BUFFER QUICK-CHANGE ADAPTERS
For attaching wheels and cutting tools to air-powered buffers with a quick-change chuck.

Item No.	Description
BK **710-1681**	Cutting Tool, 3/16" Shank
BK **710-1682**	Cutting Tool, 1/4" Shank
BK **710-1683**	Cutting Tool, 5/16" Shank



ENCAPSULATED BRUSH
Polyflex brush designed removing rubber from steel cables without damaging fret wires. Size: 2" (50mm).
BK **710-1629**



3 IN. SOFT WIRE WHEEL
For removing scorched rubber in finished buzz outs from steel radials, without disrupting the steel or fret wires.
BK **710-1630**



2-1/2 IN. COARSE WIRE WHEEL
3/8" Arbor.
BK **710-1631**

SLOTTED FINISHING RASPS AIR-COOLED SOLID STEEL



Item No.	Dia.	Width	Arbor	Grit
BK **710-1600**	2"	1/2"	3/8"	36
BK **710-1601**	2"	1/2"	3/8"	16
BK **710-1602**	2"	3/4"	3/8"	36
BK **710-1603**	2"	3/4"	3/8"	16
BK **710-1604**	2"	3/16"	3/8"	36
BK **710-1605**	2"	3/16"	3/8"	16
BK **710-1606**	2"	1/4"	3/8"	36
BK **710-1607**	2"	1/4"	3/8"	16

AIR-COOLED CUP SERIES FINISHING RASPS



Item No.	Dia.	Width	Arbor	Grit
BK **710-1614**	3"	1"	3/8"	16
BK **710-1615**	3"	1"	3/8"	36
BK **710-1617**	3"	1 1/2"	3/8"	36
BK **710-1619**	4"	1 1/2"	3/8"	36

SOLID STEEL PENCIL RASPS



Item No.	Dia.	Length	Grit
BK **710-1609**	1/4"	2 1/2"	16
BK **710-1612**	1/4"	2 1/2"	36

TAPERED DRILL BITS



BK **710-1620** 1/4" dia.
BK **710-1621** 3/8" dia.

BUFFER COMPONENT THREADED ADAPTER
Includes washer and nut for mounting tools with 3/8"-24 FPT arbor hole. Length: 1 7/8".
BK **710-1004**



THREADED ADAPTER
Extra-long adapter is designed for mounting two buffing wheels back-to-back. Includes nut and wheel spacer for mounting tools with 3/8-inch arbor hole.
Length: 2 1/4". 3/8"-24 FPT.
BK **710-1005**



MAHLE

NitroPRO® NTF-515 SERIES NITROGEN TIRE INFLATION SYSTEM



The Professional's Choice

MAHLE Service Solutions' simple NitroPRO® membrane technology requires no moving parts to generate nitrogen. Translation: easy and routine maintenance. Plus, our exclusive NitroPRO® membrane technology can generate up to 98% nitrogen purity, with consistent purity ratings over the life of the membrane. The NTF-515 is the NitroPRO® series' flagship machine and offers the greatest number of standard features and more service capability than all other NitroPRO® models.

Features

- Dual settings for either 95% or 98% N_2 purity
- Automatic operation with up to 6 tire simultaneous fill
- Super-fast service times; 7 minutes for 6 tires
- Battery powered inflation controller for unit portability
- Automatic programming function
- Maintenance-free membrane technology
- High visibility LCD and analog gauges

Specifications

Accuracy ..... +/- 1psi (6.9 kPA) (0.06 bar)
Air Supply ..... 100 to 150 psi (6.9 to 10.3 bar) required 13.3 CFM required
Dimensions (H x W x D) ..... 49 in. x 20 in. x 22 in. (125 cm x 51 cm x 56 cm)
Display Increments ..... 1 psi
Hoses ..... Coiled green air hose (18 ft. working length) (5.5 m), Green 1/4 inch air hose: Two 24 ft. (7.3 m), Two 12 ft. (3.7 m) working length hoses
Nitrogen Purity Level ..... Adjustable, 95% or 98% (from membrane)
Power Source ..... Rechargeable Battery operates auto-fill. 110-220VAC 50/60 HZ power required for re-charge. Includes low battery charge indicator. Includes process labeling, microprocessor w/ 4 push buttons and electronic display.
Service Time / Vehicle ..... 5 minutes average (for average tire size of 225/60/R15)
Storage Tank Capacity ..... 15 gal. (56.8 liter)
Tires per hour ..... 47 tires (maximum tires per hour including tank refill)
Vacuum ..... Venturi generator (17 inHg max)
Warranty ..... Membrane: 5 Years–parts/1 Year–labor; Basic Unit: 1 Year–parts and labor; Wear Items: 90 days
Weight ..... 238 lbs. (108 kg)

RTI **4558001800**



SLIME HAND FLOOR PUMP
Heavy-duty pump inflates twice as fast as a hand pump. Easy glide pump action. Presta valve and raft adapters included. For bicycle and automotive tires. Hose length: 23". Pump barrel size: 19.75".
BK **821-1467**





SLIME SINGLE CYLINDER FOOT PUMP
Inflates faster than a standard hand pump. Easy glide pump action. Presta valve and ball adapters included. For bicycle and automotive tires. Hose length: 20". Pump barrel size: 4".
BK **710-1689**

EVERCRAFT™



BK **776-8067**



BK **776-8068**

PORTABLE AIR COMPRESSORS
Ideal for tires, bikes, inflatables, and sports equipment. All portable air compressors have built-in pressure gauges and accessory tips included.

BK **776-8067** 250 PSI/12 volt, compact size
BK **776-8068** 100 PSI/12 volt, super-bright LEDs, screw on chuck


Challenger Lifts
NAPA
BRAKE SERVICE

Axle Nut Sockets 778-779
Bearing & Rotor Pulling System 781
Bearing, Hub & Sealer Tools 780
Brake Bleeding Equipment 763-766
Brake Cleaners & Lubricants 781-782
Brake Cylinder Hones 775-776
Brake File Belt Sander System 754
Brake Fluid Testing 766
Brake Flush System 763
Brake Lathes & Accessories 757-763
Brake Service Tools 766-771
Flaring Tools 773-774
Measuring Tools 771-773
On-Car Brake Lathes & Accessories 755-757
Rethreading Dies 779
Spindle Nut Wrenches & Sockets 777-779
Tubing Benders & Cutters 774-775

NEW! 3M™ FILE BELT SYSTEM FOR AUTO REPAIR

Now you can blast through tough cleaning chores – faster, easier and more efficiently, with the 3M File Belt System

3M™ Power Tools and Abrasives set the world standard for performance and productivity in a wide range of metalworking applications – from grinding and dimensioning hard metals to cleaning and polishing soft materials like aluminum.

Now you can put that expertise to work in your shop, with the 3M™ File Belt System – designed to save you time and effort on tough automotive cleaning jobs.

The 3M file belt system features high performance abrasives like Scotch-Brite™ Durable Flex Belts and 3M™ Cubitron™ II File Belts – ideal for tough detail work such as cleaning, deburring, blending and finishing on a variety of metals. These belts combine aggressive cutting action with higher flexibility to clean fast, with less chance of gouging. To get the most out of your Scotch-Brite and Cubitron II belts, we've paired them up with our rugged .6 hp 3M™ File Belt Sander – a professional-grade tool that allows you to get into tight places. This gives you a complete system, optimized to make tough clean and prep chores a breeze!

Ideal for deburring, cleaning, blending, finishing & more in tight, hard-to-reach places

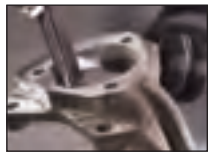
Here are just a few of the applications where the 3M file belt system can save time, money – and your knuckles:



Clean & prep brake caliper pockets
Removing rust, brake dust and other contaminants with wire brushes, files and other tools can be tedious and time consuming. The 3M file belt system speeds up tough cleaning jobs like this, while giving you more control to prevent gouging



Cleaning wheel rims
Removing corrosion prior to mounting the tire is critical, in order to avoid bead leaks. The 3M file belt system makes this job quick and easy, and it is also ideal for prepping surfaces prior to attaching stick-on wheel weights and prepping centering hubs.



Prepping steering knuckles
Steering knuckle housing and mating surfaces need to be free of corrosion and other contaminants in order to ensure proper installation of the wheelbearing hub assembly. The 3M file belt system lets you get into deep indentations and complex surfaces, making cleanup fast and easy.



3M™ FILE BELT SANDER

3M File Belt Sanders come with a one-year limited warranty and the standard style attachment arm (*MMM* **28368**). Contact your 3M Authorized Distributor for tool service

Item No,	Motor	Max RPM	Belt Speed SFPM (SMM)	Weight Pound (kg)	Length Inch (mm)	Height Inch (mm)	Width Inch (mm)	Airflow Rate SCFM (LPM)
MMM **28366**	0.6 HP	22,000	4,990 (1521)	2.8 (1.3)	14.57 (370)	2.93 (74.5)	5.95 (151.2)	28 (793)

SCOTCH-BRITE™ DURABLE FLEX FILE BELTS

Item No.	Width	Length	Grade	Qty./ Case
MMM **64475-2**	1/2"	18"	A CRS	20
MMM **64458-5**	1/2"	18"	A MED	20
MMM **64467-7**	1/2"	18"	A FIN	20



3M™ CUBITRON™ II FILE BELTS

Item No.	Width	Length	Grade	Belts/ Box	Boxes/ Case
MMM **33443-4**	1/2"	18"	36+	10	5
MMM **33445-8**	1/2"	18"	60+	10	5
MMM **33446-5**	1/2"	18"	80+	10	5





MMM **28368-5**



MMM **28369-2**

3M™ FILE BELT SANDER ATTACHMENT ARMS

Item No,	Width	Length	Description	Qty./ Case
MMM **28368-5**	1/2"	18"	Standard style: Standard arm included with 3M™ File Belt Sander. Sand with contact wheel or platen.	1
MMM **28369-2**	1/2"	18"	Thin style: Thinner arm makes it easier to use in narrower spaces. Sand with contact wheel or platen	1

See the 3M File Belt System in action!
Check out our latest video at
3mcollision.com/FileBeltTool
3mauto.com/FileBeltTool

Warranty, Limited Remedy, and Disclaimer: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. User is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.
Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

PRO-CUT

Pro-Cut Lathes: the required or recommended equipment for virtually all OEM Vehicle Manufacturers.

Ford GM SUBARU NISSAN HONDA CHRYSLER TOYOTA BMW

A-10 WARTHOG, COMMERCIAL DUTY BRAKE LATHE

The Pro-Cut Warthog Rotor Matching System is arguably the most rugged on-car lathe in the world. It was engineered to cut the biggest vehicles and withstand the most rigorous use, and its modular design lends itself to fast and simple maintenance and repair. In short, the Warthog might be the last on-car lathe you ever buy.

New Features Include

Direct drive PTO that delivers almost 2X the start-up torque, massive main spindle roller bearings with wider offset for improved stability & strength. The body has been grown for deeper reach and the resulting extra 8 lbs. of body mass provides the quietest cut ever. All Warthogs come standard with the fixed post trolley, speed lock cutting head, and DRO computer that monitors lathe use, efficiency, and ROI.

The Warthog is big enough to cut medium duty trucks but remains nimble enough for use on virtually any vehicle including sub-compacts.



Item No.	Description
PCT **PCA10BASEIBT**	A10 Lathe & Trolley
PCT **PCA105ADP**	A10 Lathe, Trolley, *PCT* **50-5ADP** & *PCT* **50-ACC**
PCT **PCA106ADP**	A10 Lathe, Trolley, *PCT* **50-6ADP** & *PCT* **50-ACC**
PCT **PCA107ADP**	A10 Lathe, Trolley, *PCT* **50-7ADP** & *PCT* **50-ACC**
PCT **PCA108ADP**	A10 Lathe, Trolley, *PCT* **50-8ADP** & *PCT* **50-ACC**



PFM 9.2 SERIES DRO BRAKE LATHE

The PFM 9.2 DRO base unit is Pro-Cut's most popular selling, tried and true mid-sized lathe with all the bells and whistles including fixed-post trolley, speed-lock cutting head, and electronic reporting that monitors lathe use, efficiency, and ROI.

Item No.	Description
PCT **PC92BASEIBT**	9.2 Lathe & Trolley
PCT **PC925ADP**	9.2 Lathe, Trolley, *PCT* **50-5ADP** & *PCT* **50-ACC**
PCT **PC926ADP**	9.2 Lathe, Trolley, *PCT* **50-6ADP** & *PCT* **50-ACC**
PCT **PC927ADP**	9.2 Lathe, Trolley, *PCT* **50-7ADP** & *PCT* **50-ACC**
PCT **PC928ADP**	9.2 Lathe, Trolley, *PCT* **50-8ADP** & *PCT* **50-ACC**

BRAKE LATHE ADAPTER PACKAGES

Item No.	Description
PCT **50-4ADP**	Standard 4 wheel adapter package including the *PCT* **50-687** (4 lug), *PCT* **50-688** (5 lug), *PCT* **50-691** (4WD Truck), and *PCT* **50-694** (6 and 7 lug GM adapters).
PCT **50-5ADP**	Standard 5 Wheel Adapter Package including the *PCT* **50-687** (4 lug), *PCT* **50-688** (5 lug), *PCT* **50-695** Dakota light truck, *PCT* **50-691** 4WD truck and *PCT* **50-694**, 6 and 7 lug GM adapters.
PCT **50-6ADP**	Same as the *PCT* **50-5ADP** (listed above) along with the *PCT* **50-681** six lug Toyota adapter added. Our most Popular Selling adapter package.
PCT **50-7ADP**	Same as the *PCT* **50-6ADP** (listed above) along with the *PCT* **50-683** Ford F250 F350 HD truck adapter added.
PCT **50-8ADP**	Same as the *PCT* **50-7ADP** (listed above) along with the *PCT* **50-935** Dual wheel truck adapter added.



PCT **50-6ADP**

BRAKE LATHE ACCESSORY KIT

Item No.	Description
PCT **50-ACC**	Brake Lathe Package Complete Accessory Kit. Includes cutting tips, both standard and double thick, silencer, nose cone extension, wheel spacers, caliper hooks, nut and bolt kit and lathe cover. **NOTE:** *PCT* **50-ACC must be ordered with every new lathe package (not included in lathe base price).**



PCT **50-ACC**

PRO-CUT

TOYOTA SPECIALTY & ALTERNATE TRUCK ADAPTER



Fits most pickups and SUVs including the Toyota Land Cruiser and VW Touareg (does NOT have common Ford pattern found on the 50691 adapter).

PCT **50-681**

HEAVY DUTY TRUCK ADAPTER



Fits 3/4-ton and 1-ton Ford, Dodge and Chevrolet/GMC trucks and vans.

PCT **50-683**

TALL HUB FORD TRUCK ADAPTER



Primarily designed to fit the 2003 and newer Ford Expedition and 2004 and newer F-150. This adapter also shares patterns with other common trucks that have tall or manual locking hubs.

PCT **50-694**

DUAL WHEEL TRUCK ADAPTER



Fits most common dual wheel vehicles front and rear. Some dual wheel trucks require use of additional extensions and stand-offs. (See *PCT* **50495K** for PFM 9.0 or *PCT* **50492K** for PFM 9.2 DRO.)

PCT **50-935**

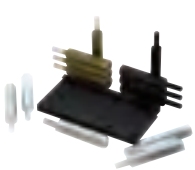
MEDIUM & HEAVY DUTY TRUCK ADAPTER



Our largest adapter. Patterns: 8 on 275mm, 8 & 10 on 11.25". Fits Ford F-650 & F-750, GM 4500 & 5500, and many medium duty International and Freightliner platforms. Reach extension plates and/or stud spacers may be needed depending on application.

PCT **50-999**

DUAL WHEEL REAR EXTENSION KITS



Allows cutting head to reach rotor in high-offset situations like with Ford F-450 and 550 trucks. Kit includes plate and 3 sets of standoffs for Ford trucks specifically.

PCT **50-495K** Extension Kit for Non Speed-Lock 9.2 PFM Model

PCT **50-492K** Extension Kit for Speed-Lock 9.2 PFM Model

REACH EXTENSION PLATE



For machines with the *PCT* **50-496** or Speed-Lock slide plate, plus the three sets of necessary stand offs required to offset the *PCT* **50-935** adapter on the rear of Ford Dual wheel trucks

PCT **50-492K**

PARALLEL-ARM CUTTING HEAD



The G2X Upgrade is based on an innovative ALL NEW parallel-arm cutting head which features over-sized adjustment dials and a built-in micrometer. The cutting head plugs into Pro-Cut's standard on-board computer to provide LIVE digital read-out of rotor thickness as the tech sets cut depth and machines the rotor. The technician has 100% control of the finished rotor thickness BEFORE making the cut!

PCT **50-1200UPGD**

PREMIUM PRO-CUT CUTTING TIPS



Premium quality carbide tip offers custom geometry, chip breaker and positive relief ensuring optimal performance and surface finish when used on all Pro-Cut model lathes. Cut depth capability an incredible 0.020" per side.

PCT **50-742**

LATHE COVER



Protect your lathe against shop dust, debris and moisture.

PCT **50-752**

DISC SILENCER



Dampens vibration during the cut process. Custom-cut channels allows silencer to ride securely over the cutting arms.

PCT **50-703**

DOUBLE THICK SILENCER



Double thick silencer pads, designed specifically to dampen vibration when the Pro-Cut lathe is deployed on a thin or solid rotor.

PCT **50-754**

S-HOOKS



No need for mechanics wire or bungee cords to hang the brake calipers with these sturdy S-Hooks. They're located with a rubber in safety yellow so you won't forget to take them out at the job's end.

PCT **37-034**

BOSCH
Invented for life

ON-CAR BRAKE LATHE

Industry-leading, factory-quality finish



The Bosch *BSD* **OCL8850** produces the most uniform and parallel finish to brake rotors in the industry. This reduces the likelihood of "come-backs" that result from vibration, pulsation or noise.

Compared to hub-mounted on car lathes, Bosch's caliper-mounted unit doesn't require compensation for runout. The Bosch unit efficiently corrects lateral runout, DTV (disc thickness variation) and is more economical than replacing rotors.

Features

- Standard configuration includes 95% of all available adapters and accessories
- Two automatic cutting speed settings plus fast and slow manual speeds
- Bi-directional drive unit and operating buttons on both sides of lathe allow full and easy access to controls no matter which side of the vehicle is being serviced
- Compact design fits in tight wheel wells
- Mounts to the same machined surface as caliper and cuts in same plane as caliper which eliminates the need for run-out compensation

BSD **OCL8850**

BL 8922L HIGH PERFORMANCE COMBINATION BRAKE LATHE

The BL 8922 is a world class brake lathe that offers the best passenger and light truck machining capability in the industry. It is easy to operate and is built to last.

Features

Positive Rake One Pass Finishing
- One time setup saves time!
- Does not require non-directional finish to meet OEM specs!

Best in Class Muscle Mass
- 470 lbs. solid casting
- More Mass = Less Vibration Transmission = Smoother Cuts

External Motor Assembly Isolates Vibration
- Less Motor Vibration = Smoother Cuts

Huge Dovetail Ways to Support Tool Motion
- Larger Dovetails = Increased Rigidity = Smoother Cuts

Tapered Roller Bearing Arbor Supports
- Tapered Bearings = Zero Slop = Smoother Cuts
- Machine cross drilled and slotted rotors with ease!



Specifications

Rotor capacity:.....4"-24"
Max Rotor Thickness:..... 2.25"
Drum capacity: .....6"-28"
Depth of Drum Cut: ..... 6"
Max Weight:.....150 lbs.
Spindle Speed:..... 105 RPM
Superior warranty: ...(1 yr. parts/6 mo. labor)

NOTE: Shown with bench and accessories (not included).

BSD **F00E900217**

BL 8944L HIGH PERFORMANCE MULTI-SPEED COMBINATION BRAKE LATHE

The BL 8944 is a world class brake lathe that offers the ultimate passenger and light truck machining capability in the industry. It is easy to operate and is built to last. The BL 8944 takes performance to the next level by including a multi-speed motor.

Features

Positive Rake One Pass Finishing
- One time setup saves time!
- Does not require non-directional finish to meet OEM specs!

Best in Class Muscle Mass
- 470 lbs. solid casting
- More Mass = Less Vibration Transmission = Smoother Cuts

External Motor Assembly Isolates Vibration
- Less Motor Vibration = Smoother Cuts

Huge Dovetail Ways to Support Tool Motion
- Larger Dovetails = Increased Rigidity = Smoother Cuts

Tapered Roller Bearing Arbor Supports
- Tapered Bearings = Zero Slop = Smoother Cuts
- Machine cross drilled and slotted rotors with ease!



Specifications

Rotor capacity:..... 4"-24"
Max Rotor Thickness:..... 2.25"
Drum capacity: .....6"-28"
Depth of Drum Cut: ..... 6"
Max Weight:.....150 lbs.
Spindle Speeds: ..... 100, 150, and 200 RPM
Superior warranty: ....(1 yr. parts/6 mo. Labor)

NOTE: Shown with bench and accessories (not included).

BSD **F00E900218**

BL 8989L HIGH PERFORMANCE HEAVY-DUTY COMBINATION BRAKE LATHE

The BL 8989 is capable of servicing passenger, light and medium trucks, as well as heavy duty truck work. A two speed motor and longer depth of cut would make the BL 8989 a valuable addition to any shop.

Features

Positive Rake One Pass Finishing
- One time setup saves time!
- Does not require non-directional finish to meet OEM specs!

Best in Class Muscle Mass
- 470lb. solid casting
- More Mass = Less Vibration Transmission = Smoother Cuts

External Motor Assembly Isolates Vibration
- Less Motor Vibration = Smoother Cuts

Huge Dovetail Ways to Support Tool Motion
- Larger Dovetails = Increased Rigidity = Smoother Cuts

Tapered Roller Bearing Arbor Supports
- Tapered Bearings = Zero Slop = Smoother Cuts
- Machine cross drilled and slotted rotors with ease!



Specifications

Rotor capacity:..... 4"-24"
Max Rotor Thickness:.....2.25"
Drum capacity: ..... 6"-28"
Depth of Drum Cut: .....10"
Max Weight:...300 lbs. (On Heavy Duty Arbor)
Spindle Speeds: .....52, 105 RPM
Superior warranty: .... (1 yr. parts/6 mo. labor)

NOTE: Shown with bench and accessories (not included).

BSD **F00E900219**

BOSCH
Invented for life

BL 8991 BRAKE SHOP - HIGH PERFORMANCE COMBINATION MACHINING CENTER (LATHE + ACCESSORIES)

Bosch brake shops provide a complete solution for all of your brake machine service needs. The BL 8991 shop includes the BL 8922L brake lathe, a rugged metal work bench, and an ample accessory package to machine up to 1-ton trucks.

Features

Positive Rake One Pass Finishing
- One time setup saves time!
- Does not require non-directional finish to meet OEM specs!

Best in Class Muscle Mass
- 470lb. solid casting
- More Mass = Less Vibration Transmission = Smoother Cuts

External Motor Assembly Isolates Vibration
- Less Motor Vibration = Smoother Cuts

Huge Dovetail Ways to Support Tool Motion
- Larger Dovetails = Increased Rigidity = Smoother Cuts

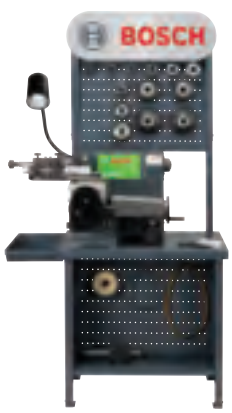
Tapered Roller Bearing Arbor Supports
- Tapered Bearings = Zero Slop = Smoother Cuts
- Machine cross drilled and slotted rotors with ease!

Get more for Your Money with Included Accessories!
- Rotor micrometer, Bronze adapters, bench, Left hand tool holder, Carbide bits, Truck cone set, Drum wear gauge, and Silencers

Specifications

Rotor capacity:.....4"-24"
Max Rotor Thickness:..... 2.25"
Drum capacity: .....6"-28"
Depth of Drum Cut: ..... 6"
Max Weight:.....150 lbs.
Spindle Speed:.....105 RPM
Superior warranty: ...(1 yr. parts/6 mo. labor)

BSD **F00E900232**



BL 8993 BRAKE SHOP - HIGH PERFORMANCE MULTI-SPEED COMBINATION MACHINING CENTER (LATHE + ACCESSORIES)

Bosch brake shops provide a complete solution for all of your brake machine service needs. The BL 8993 shop includes the BL 8944L brake lathe, a rugged metal work bench, and an ample accessory package to machine up to 1-ton trucks.

Features

Positive Rake One Pass Finishing
- One time setup saves time!
- Does not require non-directional finish to meet OEM specs!

Best in Class Muscle Mass
- 470 lbs. solid casting
- More Mass = Less Vibration Transmission = Smoother Cuts

External Motor Assembly Isolates Vibration
- Less Motor Vibration = Smoother Cuts

Huge Dovetail Ways to Support Tool Motion
- Larger Dovetails = Increased Rigidity = Smoother Cuts

Tapered Roller Bearing Arbor Supports
- Tapered Bearings = Zero Slop = Smoother Cuts
- Machine cross drilled and slotted rotors with ease!

Get more for Your Money with Included Accessories!
- Rotor micrometer, Bronze adapters, bench, Left hand tool holder, Carbide bits, Truck cone set, Drum wear gauge, and Silencers

Specifications

Rotor capacity:..... 4"-24"
Max Rotor Thickness:.....2.25"
Drum capacity: ..... 6"-28"
Depth of Drum Cut: .....6"
Max Weight:.....150 lbs.
Spindle Speeds:.....100, 150, and 200 RPM
Superior warranty: ... (1 yr. parts/6 mo. labor)

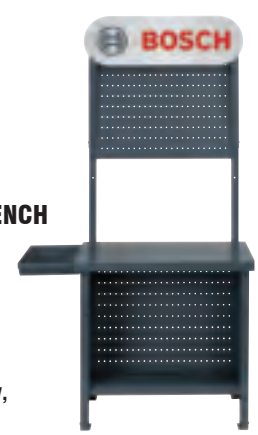
BSD **F00E900233**



8939G STANDARD BRAKE LATHE BENCH

Features
- Chip tray keeps shavings off the floor
- Storage shelf
- Peg board tool storage
- Rugged construction that will last!

BSD **F00E900987**
NOTE: *BSD* **F00E900987 is the bench only, not the lathe on the bench**



ADAPTER SETS

Item No.	Description
BSD **1699000196**	Bronze, Fits Most Passenger Cars and Light Trucks Rotors, Drums and Flywheels
BSD **1699000200**	Silver, Fits Most Passenger Cars and Light Trucks Rotors, Drums Including Composite and Flywheels
BSD **1699000201**	Gold, Fits Most Passenger Cars and Light Trucks Rotors, Drums Including Composite and Flywheels Through 1/2 Ton
BSD **1699000202**	Platinum, Fits Most Passenger Cars and Light Trucks Rotors, Drums Including Composite and Flywheels Through 1 Ton

CARBIDE INSERTS

BSD **1699000360** 10 pack
BSD **1699000359** 5 pack



HOFMANN



Shown with optional Backboard and Heavy-Duty Work Bench

201 TRUECUT BRAKE LATHE

- Simple "one cut" finish
- Fast changeover from disc cutter to drum cutter
- Heavy-duty construction
- Standard tooling package is included with purchase and easily adapts to all existing and future machining applications

Specifications

Rotor/Flywheel/Drum Feed Rate (Per Revolution):	0.0025"
Rotor/Flywheel Diameter Range:	5" - 18"
Maximum Rotor/Flywheel Thickness Range:	3"
Rotor/Flywheel Facing Travel:	4"
Drum Feed Rate Per Revolution:	0.0012" - 0.0120"
Drum Diameter Range:	Up To 14"
Drum Facing Width:	4"
Arbor Speeds:	185 - 190 rpm
Bearing Adapter Range (Standard):	1.285" - 2.781"
Cone Range (Standard):	1.15" - 4"
Maximum Arbor Weight (Standard):	150 lbs.
Drive Motor:	1HP - 1,725 rpm
Drum/Rotor Carriage Motor:	1 Gear Motor
Shipping Weight:	350 lbs.
Power Requirements:	120V, 1Ph, 60Hz

HOF **201TRUECUT**

HOFMANN



Shown with optional Backboard and Heavy-Duty Work Bench

401 TRUECUT BRAKE LATHE

- "One-Cut" finish or "Infinitely-Adjustable" machining speed - your choice
- Four arbor speeds
- Precision carriage speed control
- Industrial-strength construction provides a rugged, reliable base for the 401 TrueCut
- Quick changeover from disc to drum tools in only seconds
- Innovative design and tooling allows the 401 TrueCut to be adapted easily to all existing and future machining applications
- Drive shaft and arbor are supported by extra large tapered roller bearings

Specifications

Rotor/Flywheel Feed Rate (Per Revolution):	0.001" - 0.010"
Rotor/Flywheel Diameter Range:	5" - 30"
Maximum Rotor/Flywheel Thickness Range:	3"
Rotor/Flywheel Facing Travel:	5"
Drum Feed Rate Per Revolution:	0.0012" - 0.0120"
Drum Diameter Range:	5" - 30"
Drum Facing Width:	9"
Arbor Speeds (Adjustable):	85, 110, 140, 185 rpm
Bearing Adapter Range (Standard):	1.285" - 2.781"
Cone Range (Standard):	1.15" - 4"
Maximum Arbor Weight (Standard):	150 lbs.
Drive Motor:	1HP - 1,725 rpm
Drum/Rotor Carriage Motor:	2 Gear Motors
Shipping Weight:	525 lbs.
Power Requirements:	120V, 1Ph, 60Hz

***Other electrics available upon request**

HOF **401TRUECUT**

AMMCO

4000E BRAKE LATHE



- Custom digital finishes. By digitally controlling the feed rate, it's easier to find that sweet spot for your particular application. This gives you the highest possible quality finish available.
- Shift On The Fly 3-Speed. The 4000E is the first lathe with an integrated synchronous gearbox and shifter. Now you can choose the speed that makes the most sense for your workpiece, right at your fingertips.
- Forged Alloy Steel Arbor. Two tapered mounting surfaces add stability and handle up to 200 lbs.
- Feed Slide Protection. Keeps travel surfaces free of dirt and chips.
- Positive Rake Tool Bits. Positive rake tool bits allow for low pressure precision turning that produces superior machined surfaces every time with less chatter. Negative rake tool bits are also included.
- Patented Floating Spindle Design. Extra large bronze bearings reduce pressure and wear. Larger drive gear adds life.
- Patented Positive Oiling System. Constant lubrication when switched on. No metal-to-metal contact between bearing and spindle. Reduces wear for longer life.
- Rigid 44-Pound Spindle. Has the strength for long-term precision and durability, even with larger loads up to 200 lbs.
- Twin Cutter Tool. Simultaneously resurfaces both sides of rotor.
- Micrometer Precise. Depth of cut dials embossed in metal and calibrated in both thousandths of an inch and tenths of a millimeter. Easy to reset to zero.
- Full Drum Support. Hex boring bar guarantees correct tool angle for drums.
- Important: You must order one adapter kit when ordering the *AMM* **4000E**.

AMM **4000E**

AMMCO



4100B MEDIUM-DUTY DISC/DRUM LATHE

This lathe includes the standard features of the *AMM* **4000** and offers additional spindle travel to machine wider brake drum assemblies. Use the standard *AMM* **7900** twin cutter (included) to machine truck rotors to 22" in diameter. Order the *AMM* **4100B** and select the required adapter set featuring Adaptek™ for hubbed, hubless and composite mounting in a size to meet your needs. Optional lathe bench available separately.

AMM **4100B**



4000B COMBINATION BRAKE LATHE

The popular AMMCO® 4000B combination disc and drum lathe. Durability and ease of use have made this lathe the standard of the industry. Order the *AMM* **4000B** and select the required adapter set featuring Adaptek® for hubbed, hubless and composite mounting in a size to meet your needs. Optional lathe bench available separately.

AMM **4000B**
AMM **7500** Disc Rotor Lathe



4000SP SINGLE PASS COMBINATION LATHE

The *AMM* **4000SP** is designed for small to medium shops servicing cars and some light trucks. Equipped with positive rake bits, this lathe cuts most rotors in one pass. Single speed operation means no messing with adjustments, for a finished cut the first time.

AMM **4000SP**

AMM **3C**



LATHE MOUNTING ADAPTER KITS

All bench model lathes require one of these kits.

Item No.	Description
AMM **1A**	Lathe Mounting Adapter Kit "A" for most passenger cars, (Centering Range 1.84" - 3.3")
AMM **2B**	Lathe Mounting Adapter Kit "B" for most passenger cars through ½-ton trucks (Centering Range 1.84" - 3.85")
AMM **3C**	Lathe Mounting Adapter Kit "C" for most passenger cars through 1-ton trucks (Centering Range 1.84" - 5.5")
AMM **6E**	Lathe Mounting Adapter Kit "E" for most passenger cars through 1-ton trucks (Centering Range 2.125" - 5.75")
AMM **7F**	Lathe Mounting Adapter Kit "F" for most passenger cars through 1-ton trucks, crossfeed extension included

See following page for further details.

AMM **1053**



AMM **1054**

AMM **1055**

TOOLBOARD & LIGHT CANOPY

Fits all current single lathe benches and toolboxes.

AMM **1053**

SIDE STORAGE CABINET

Matches height and depth of all current lathe benches and toolboxes.

AMM **1054**

BRAKE LATHE TOOLBOX

Accepts either AMMCO® *AMM* **1053** toolboard and light canopy or *AMM* **2515** toolboard and sign kit.

AMM **1055**

AMMCO

LATHE BENCH

This sturdy, welded, heavy gauge steel bench is for use with all AMMCO® automotive lathes. It accommodates one lathe while providing plenty of room to operate. Offers ample storage space on easily accessible tool boards above and below the bench. Designed for ideal working height, comes with chip catcher funnel and bucket.

Item No	Description
AMM **2500**	Lathe Bench
AMM **2510**	Backless Bench (like *AMM* **2500** with no back)
AMM **7048**	Chip Funnel and bucket (only)



Brake Lathe Specifications

Item No. Application	*AMM* **4000E** Car - Medium Truck	*AMM* **4100B** Car - Medium Truck	*AMM* **4000B** Car - Light Truck	*AMM* **4000SP** Car - Light Truck	*AMM* **7500B** Car - Light Truck
Rotors:	Yes	Yes	Yes	Yes	Yes
Drums:	Yes	Yes	Yes	Yes	No
Flywheel Service Capable	Yes	Yes	Yes	Yes w/Extra Adapters:	
Tool Bits (shipped with):	Both Positive & Negative Rake	Negative Rake	Negative Rake	Positive Rake	Negative Rake
Max. Rotor Diameter:	14.5"[1]	19"	14.5"[1]	14.5"[1]	14.5"[1]
Max. Rotor Face Width:	3.75"	3.75"	3.75"	3.75"	3.75"
Max. Rotor Thickness:	1.875" 2	4"	1.875"	1.875"	1.875"
Max. Arbor Capacity: **A: Standard:** **B: Heavy Duty:**	**A.** 200 lbs. **B.** 200 lbs.	**A.** 100 lbs. **B.** 200 lbs.	**A.** 100 lbs. **B.** 200 lbs.	**A.** 100 lbs. **B.** 200 lbs.	**A.** 100 lbs. **B.** 200 lbs.
Double Taper Arbor:	Yes	Yes	Yes	Yes	Yes
Spindle Speed:	100,150, 200 RPM	60,80,115 RPM	100, 200 RPM	100 RPM	100, 200 RPM
Drum Feed Rate:	Variable	.002" to .020"/REV	.002" to .020"/REV	.005"/REV	N/A
Rotor Feed Rate:	Variable, .001" to .018"/REV	.002"/.010"/REV	.002"/.010"/REV	.002"/REV	.002"/.010"/REV
Drum Depth:	Up to 9.875"	Up to 9.875"	Up to 6.875"	Up to 6.875"	N/A
Shipping Weight:	410 lbs.	480 lbs.	365 lbs.	385 lbs.	367 lbs.

[1] **Can be increased by 4" with the addition of a *AMM* 6936 extension.**

POSITIVE RAKE TOOL BIT ASSEMBLY KIT

Replacement tool holders use positive rake tips for 1 cut-finish cut. Standard with lathes *AMM* **3850**. Fits *AMM* **6900** and *AMM* **6950** twin rotor cutter. Use replacement carbide insert *AMM* **7681** (standard) or *AMM* **6918** (optional).

Item No.	Description
AMM **7999**	Bit holder set; left and right with bit
AMM **25968**	Right hand bit holder
AMM **25969**	Left hand bit holder
AMM **40425**	Extended offset tool holders



POSITIVE RAKE TOOL BITS (CARBIDE INSERTS)

Positive rake bits cut into the rotor rather than scraping it like negative rake bits. This provides a cleaner cut often allowing a finish cut in one pass.

Item No.	Description
AMM **69182**	Basic bits; 2-pack
AMM **69186**	Basic bits; 6-pack
AMM **76812**	Premium bits; 2-pack
AMM **76816**	Premium bits; 6-pack



NOTE: *AMM* 7681 style are mandatory on 800 OTV Lathes

REPLACEMENT CARBIDES FOR COMPETITIVE BRAND LATHES

AMMCO® quality for competitive brand lathes means long tool bit life and great surface finishes. Each features clamshell display packaging, individual compartments for each tip, complete with fasteners.



Item No.	Description
AMM **40410**	Positive Rake for FMC Lathes, Pack of 10
AMM **40415**	Positive Rake for Kwik-Way Lathes, Pack of 10
AMM **40420**	Negative Rake for Hunter Lathes, Pack of 10
AMM **40430**	Negative Rake for Performance Lathes, Pack of 10
AMM **40435**	Positive Rake for Accuturn Lathes, Pack of 10

AMMCO



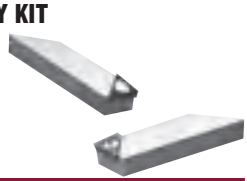
POSITIVE RAKE, ROUND CARBIDE INSERTS

Offer superior surface finishes. Works great on "W" body rear rotors. Multiple edges for longer life.

Item No.	Description
AMM **40610**	Toolbit Round, Carbide Insert, Positive Rake, 10 Pkg.
AMM **40630**	Tool-Holder Set, RH & LH-Positive Rake, For Round Toolbit *AMM* **40610**
AMM **40608**	Tool-Holder Assembly, RH-Positive Rake, For Round Toolbit *AMM* **40610**
AMM **40609**	Tool-Holder Assembly, LH-Positive Rake, For Round Toolbit *AMM* **40610**

NEGATIVE RAKE TOOL BIT ASSEMBLY KIT

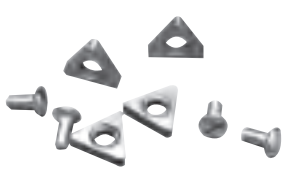
Replacement tool holders use negative rake tips. Standard with lathes *AMM* **3860**, *AMM* **4000**, *AMM* **4100**, *AMM* **7000**, and *AMM* **7500**. Fits *AMM* **6900** and *AMM* **6950** twin rotor cutter. Use replacement carbide insert *AMM* **6914**.



Item No.	Description
AMM **6999**	Bit holder set; left and right with bit
AMM **10701**	Right hand bit holder
AMM **10702**	Left hand bit holder

NEGATIVE RAKE TOOL BITS

Each insert provides 6 cutting edges for drums and up to 12 cutting edges for rotors. Shipped with *AMM* **6499** retaining screws. Fits AMMCO® *AMM* **1000**, *AMM* **2002**, *AMM* **3000**, *AMM* **4000**, *AMM* **4100**, *AMM* **7000**, *AMM* **7500** and *AMM* **7700**.

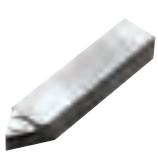


Item No.	Description
AMM **6914-2**	Package of 2 Carbide Inserts
AMM **6914-6**	Package of 6 Carbide Inserts
AMM **6914-10**	Package of 10 Carbide Inserts

NEGATIVE RAKE TOOL BIT ASSEMBLY

Assembly for drum turning. Standard with lathes *AMM* **3000**, *AMM* **4000**, and *AMM* **4100**. Use replacement carbide insert *AMM* **6914**.

AMM **9872**



SMALL DRUM TURNING TOOL

Positive rake tool holder for reaching into small drums. For *AMM* **2002**, *AMM* **3000**, *AMM* **4000**, *AMM* **4100** and *AMM* **7700**.

AMM **5392**



BRAKE LATHE TUNE-UP KIT

AMM **40450**

Contents

Qty.	Description
1	*AMM* **5280**
1	*AMM* **6920**
3	*AMM* **6854**
1	*AMM* **3085**
1	*AMM* **23682**
3	*AMM* **3142**
1	*AMM* **6914-10**
1	*AMM* **7996**



SOLID ROTOR SILENCER

Package of two rubber silencer bands for thin, non-vented rotors.



Item No.	Description
AMM **6921**	Small, 6½" for non-vented rotors
AMM **6922**	Large, 9¼" for non-vented rotors
AMM **6920**	Car & light truck, for vented rotors
AMM **6930**	Double wide with 24 lead weights for large trucks

ROTOR SILENCER

This stainless steel spring rotor silencer for ventilated rotors has greatly increased life when compared to rubber silencer bands. Helps reduce your machining costs!

AMM **9800**



DRUM SILENCER BAND

This extra-long, premium grade rubber silencer band for automotive drums dampens vibrations occurring during machining operation.



AMM **5280** Drum Silencer Band-Auto 1.75" wide
AMM **5290** Drum Silencer Band-Truck 2.75" wide

SHEAR GEAR & C-CLIP

Replacement for the "Fail-Safe" gear that protects the cross-feed gear box in the event of operator error during rotor machining. Standard with lathes *AMM* **4000**, *AMM* **4100** and *AMM* **7500.**

AMM **7996**





AMMCO

FRICTION ROTOR SILENCER

This silencer provides the mass needed to effectively dampen vibrations that occur when machining some solid rotors. Friction pads are made of tough, non- asbestos materials. Can also be used to dampen vibration on ventilated rotors. Fits *AMM* **4000**, *AMM* **4100**, *AMM* **7000** and *AMM* **7500**.

Item No	Description
AMM **7075**	Friction Rotor Silencer
AMM **9183**	Package of two Replacement Pads for *AMM* **7075**
AMM **7075-1**	Fits *AMM* **3850** and *AMM* **3860**



AMMCO

LATHE BOOTS

Keeping good condition boots on your lathe is critical to protecting metal parts from metal chips and grinding dust.

Item No	Description
AMM **3085**	Spindle Boot
AMM **3086**	Lead Screw Boot
AMM **3087**	Cross Feed Boot



AMMCO

REPLACEMENT RED KNOBS

AMM **6854**



MAHLE

FluidPRO® BFX SERIES BRAKE FLUSH SYSTEMS

Superior features for superior brake fluid exchange service. Fast, simple and profitable brake fluid exchange service from MAHLE Service Solutions. The BFX-3 Brake Fluid Exchange System comes with a variety of universal adapters designed to fit the master cylinders of many makes and models of vehicles. Additional adapters are also available.

- Automated push/pull process for complete brake fluid exchange
- Three-step process takes less than 10 minutes
- Easy hook-up
- Includes pistol wand for convenient and accurate fill
- Compatible with both ABS and non-ABS systems
- Rugged cabinet construction and coating resist corrosion
- Universal adapters for a variety of master cylinders is included

Specifications

Adapters ..... Contains universal adapters for master cylinders
Pumps ..... Vacuum pump: diaphragm 1.6 gal. (6 liter) per minute
Fill pump: diaphragm 1.4 gal. (5.3 liter) per minute
Fluid Tanks / Types ..... 5 gal. (19 liter) Used, 1 gal. (3.8 liter) New; DOT 3 and DOT 4 brake fluid
Dimensions (H x W x D) ..... 49 in. x 20 in. x 22 in. (125 cm x 41 cm x 56 cm)
Hoses ..... Drain Hose - Black EPDM 1/4 in. (0.6 cm), 12 ft. (3.7 m) long
Fill Hose - Black EPDM 1/4 in. (0.6 cm), 12 ft. (3.7 m) long
Vacuum Hoses - Black EPDM 3/16 in. (0.5 cm) with 90° rubber connectors 20 ft. (6m) rear (Qty: 2) and 12 ft. (3.7 m) front (Qty: 2)
Power Source ..... 12 VDC - 10 Amp
Pumps ..... Vacuum pump: diaphragm 1.6 gal. (6 liter) per minute
Fill pump: diaphragm 1.4 gal. (5.3 liter) per minute
Warranty ..... 1 Year–parts and labor
Weight ..... 194 lb. (88 kg) with adapters

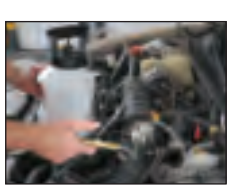
RTI **4258000900** BFX-3 Brake Flush System
RTI **3258000100** BFX Complete Adapter Kit

NAPA ServiceTools | Mityvac

PRESSURE BRAKE BLEEDING SYSTEM

Professional hydraulic brake and clutch pressure bleed system includes the Mityvac® fluid dispenser and master cylinder adapters. Forces new brake fluid down through the master cylinder while air and old fluid are expelled through the bleed screw. Pressure gauge and pressure relief valve on the dispenser allow control of system pressure. Features 1.2-gallon reservoir, 5' hose, lid with integrated manual pump pressure gauge and relief valve, dispensing wand, hanging hook, 7 master cylinder adapters and case.

SER **MV6842**





Mityvac

VACUUM BRAKE BLEEDING KIT



Compressed-air operation offers professional-grade clutch bleeding performance. Compact, yet powerful unit bleeds up to two-quarts (1.9 L) per minute. Simple operation allows clean and quick bleeding of brake and clutch lines. Kit includes an advanced selection of accessories, ensuring maximum convenience and performance for greater productivity. Features integrated 1.9-quart (1.8 L) capacity fluid collection reservoir, variable control thumb throttle, swivel air inlet with quick-disconnect, quick-disconnect coupler for accessories, quiet muffled exhaust, and automatic overflow prevention. Includes: Brake bleeder, 6-foot long bleed hose assembly, 4-foot long fluid evacuation hose, molded base with screws for bench mount, automatic fluid refill kit, hanging hook, three universal bleed screw adapters, and operation manual (English/French/Spanish/German).

Specifications

Reservoir Capacity: ..... 1.9 quarts (1.8 L)
Working Pressure: ..... 60-150 PSI (4.1-10.3 bar)
Vacuum @ 90 PSI ..... (6.2 Bar):26 in. Hg (88 kPa)
Air Consumption @ 90 PSI(6.2 Bar): ..... 4.3 CFM (2 L/S)
Flow Rate @ 60 PSI (4.1 Bar): ..... 50 oz./min. (1,460 mL/min.)
Flow Rate @ 90 PSI (6.2 Bar): ..... 70 oz./min. (2,100 mL/min.)
Flow Rate @ 150 PSI (10.3 Bar) ..... 70 oz./min. (2,100 mL/min.)
Inlet Thread Size: ..... 1/4" NPT
Packaged Weight: ..... 5 lbs. (2.3 kg)
Dimensions (In.): ..... 9 H. x 6.5 Dia.
Dimensions (mm): ..... 230 x 150

BK **700-2806**

NAPA ServiceTools Mityvac

BRAKE BLEEDING ADAPTER KIT



Expands applications of Mityvac® kit (*SER* **MV6400**) to in include pressure bleeding for hydraulic brake and clutch systems. Kit includes 7 master cylinder adapters to connect to most American, Asian, and European cars and light trucks. Adapters are application and master cylinder specific, and in most cases they lock in place of the original cap. Low-profile, right-angle, swivel adapters offer quick connection and easy operation in tight areas. Includes custom molded case.

SER **MVA6850**

NAPA ServiceTools Mityvac

FLUID DISPENSING SYSTEM



Large 1.5-gallon capacity system allows fluid to be dispensed under pressure for smooth flow. Manual pump features 5' hose, dispensing wand and hanging hook. Utilizes push-to-connect style accessory connections.

SER **MV6400**

Mityvac

SILVERLINE® ELITE AUTOMOTIVE BRAKE BLEEDING/DIAGNOSTIC KIT



Includes everything necessary to perform hundreds of automotive diagnostic and mechanical tests. Ideal for one-person brake bleeding. Produces vacuum or pressure with the turn of a switch. Pressure/vacuum are created on the squeeze stroke for superior accuracy and control. Features one-finger trigger vacuum/pressure release with comfortable, ergonomic design.

BK **700-3882**

Specifications

Pump Displacement: ..... 1 cu. in. (16 cc)/Stroke
Max. Vacuum: ..... 25 in Hg (85 kPa)
Max. Pressure: ..... 30+ PSI (207+ kPa)

Contents

Qty.	Description
1	Adapter, Rubber Cupped
4	Adapter, Tapered Tubing (For 0.09"-0.50" I.D. Tubes)
1	Adapter, Tubing (5/32" I.D. x 1/4" I.D.)
4	Adapter, Universal Bleed Screw
1	Bottle, 4.5 oz. Fluid Reservoir (Transfer/Storage Lids)
1	Case, Custom-Molded
1	Manual (English/French/German/Spanish)
2	Plug, Tapered Manifold
12	Plug, Vacuum Cap
1	Pump, Hand Vacuum/Pressure (2" Compound Gauge & Rubber Boot)
1	Refill Kit, Master Cylinder
1	T-Adapter, Vacuum Line
3	Tube, Connection
2	Tube, Long Connection (1/4" I.D. x 24")

BRAKE BLEEDING KIT

BK **700-1762**



Can be used on virtually all hydraulic systems. Rugged, professional tool enables one person to quickly, simply, and cleanly bleed brakes or other hydraulic systems. Using a vacuum to bleed brakes, no pedal-pusher person is necessary, nor is any fluid likely to be wasted on the shop floor. The system is fast and neat. Can also be used to drain the old fluid and pull the new fluid through to the wheel cylinder or caliper. In addition, the kit can be used as an aid in siphoning most other liquids. Kit includes pump (one-inch cylinder), special reservoir jar with transfer lid, storage lid, bleeding adapter package, tubing, and complete instructions.

BK **700-1008** Brake Bleeding Kit without Gauge
BK **700-1762** Brake Bleeding Kit with Gauge

NAPA ServiceTools

VACUUM BRAKE BLEEDER



Utilizing compressed shop air 60-150 PSI that creates a powerful vacuum for bleeding brakes or hydraulic clutches. The brake bleeder features a compact 1.3 qt. (1.2 liter) reservoir and 4 ft. (1.2 meter) bleed hose with molded support. The unit offers a comfortable lever-action throttle with lock-on latch and durable composite handle for long service life. Automatic shut-off to prevent overfilling and integrated hanging hook which doubles as a hose wrap for convenient storage. Three universal bleed screw adapters conform to most common bleed screw sizes and its integrated muffler ensures quiet operation. Inlet Thread Size: 1/4" NPT

SER **MV6870**

NAPA ServiceTools

BRAKE BLEEDING SYSTEM



Fast and efficient vacuum brake bleeding with compact size to fit easily in wheel area. Includes plastic hose, check valve, container and locking trigger. Up to 130 psi max air pressure. Attaches to air with 1/4" BSP.

SER **3578**

NAPA ServiceTools

VACUUM BRAKE BLEEDER



One-man vacuum brake bleeder system allows for fast and efficient brake bleeding. Universal rubber fitting holds securely on brake bleeder screw. Attach shop air and use the quick-release trigger for on-demand vacuum and hands free operation. Compact size and 17 oz. capacity.

SER **8104**

NAPA ServiceTools

ONE-MAN REVERSE BRAKE & CLUTCH BLEEDER



The D-5 DIY reverse brake bleeder has the bare necessities for world-class brake and clutch bleeding at an economy price. Patented reverse fluid injection removes trapped air in brake system, which is the main cause of a spongy pedal. Includes main fittings and adapters to perform basic brake and clutch bleeding. One-man brake bleeder in 15 minutes operation. Multiple uses for the home and shop. No rebuild kits available. Manual pump.

SER **2104-B**

EVERCRAFT

ONE-MAN BRAKE BLEEDER



One-man unit contains collection bottle with hose and adapters to fit most foreign and domestic cars and light trucks. Can be used on all hydraulic systems. Includes strong magnet to hold bottle above bleed screw. Two tapered plugs and adapter enable use at both the wheel and master cylinder.

BK **776-9038**

EVERCRAFT

ONE-MAN BRAKE BLEEDER HOSE



Built-in, one-way check valve allows user to control the flow of brake fluid from wheel cylinders while pressing brakes. Universal spring clamp prevents hose from being blown off during bleeding operation. Clear hose allows user to view air bubbles.

BK **776-9089**

NAPA ServiceTools

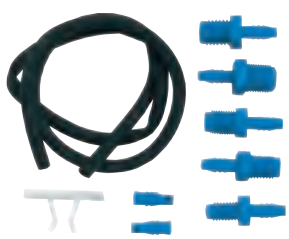
QUICK DRAW BRAKE BLEEDING SYSTEM



Everything needed to quickly bleed brakes with no mess. Includes plastic container to collect discharged fluid and three adapters to fit common bleeder screws.

SER **19200**

METRIC MASTER CYLINDER BRAKE BLEEDING KIT



For bench bleeding master cylinders before installing on import and late model domestic vehicles. Made of durable plastic, and designed to be reusable.

BK **700-1795**

BRAKE FLUID PUMP



Sturdy liquid pump features all-metal construction, with 36" of neoprene tubing and a check valve nozzle. Universal cap fits most one-gallon cans. Dispenses one ounce per stroke.

BK **720-1280**



BRAKE FLUID TEST STRIP KIT

This specialty kit features BrakeStrip® which is a 60-second test that identifies serious brake system problems before they occur thereby ensuring your safety. Uses Motorist Assurance Program (MAP) guidelines for brake fluid tests. Recommended by manufacturers like Bendix and Raybestos. No other brake fluid test finds bad brake fluid as often as BrakeStrip®. Kit includes one tube of 100 strips and 100 color rating cards.

BK **700-2558**

BRAKESTRIP® 2 TEST STRIPS



60 Second test that identifies serious brake system problems before they occur - thereby ensuring your safety. Conforms to strict Motorist Assurance Program (MAP) guidelines for brake fluid testing, plus it's recommended by manufacturers. No other brake fluid test finds bad brake fluid as often as BrakeStrip®, so use them and drive with confidence, simple and easy to use. Not a moisture or petroleum test. Patented FASCAR copper technology. The only MAP approved copper test. Contents: (2) Test Strips.

BK **700-2559**

NAPA ServiceTools

BRAKE FLUID TESTER



Brake fluid tester determines quality of brake fluid. Easy to use for quick results. Tester automatically powers off after twelve seconds of inactivity to save power. Included color chart, removable cap and battery.

SER **4598**

EVERCRAFT



BK **776-9045**

BK **776-9164**

BK **776-9165**

BK **776-9044**

OFFSET BRAKE BLEEDER WRENCHES

For use on wheel cylinders with 1/4", 5/16", 3/8", 7mm, 8mm, 9mm, or 10mm bleeder screws. Box end allows for easy viewing of fluid flow. Chrome-plated.

Item No.	Description
BK **776-9045**	1/4" x 3/8"
BK **776-9164**	5/16" x 3/8"
BK **776-9165**	7mm x 9mm
BK **776-9044**	8mm x 10mm

OTC

DISC BRAKE CALIPER TOOL KIT



A must-have item when installing new brake pads on vehicles with four-wheel disc brakes. Rotate the tool on the parking brake actuator to retract the piston. Works on most GM vehicles (with 1 1/2" brake pistons), most Ford vehicles, Pontiac Fiero, and imports. Includes plate, 3/8" extension, forcing screw, and adapters.

BK **700-2464**

NAPA ServiceTools



15 PC. BRAKE SERVICE KIT

Kit works on both disc and drum brake systems. Use to adjust clearance between drum brakes and shoe, remove and install show return springs and brake pads.

Item No.	Description	*SER* **41520** 7 Pc. Set
SER **287**	**Drum Brake Adjusting Tool:** Adjusts clearance between drum brake and brake shoe by fitting through backing plate slot and turning the star wheel.	•
SER **298**	**Brake Spring Pliers:** Hook end removes and installs shoe return spring on most drum brakes. Socket end removes spring from anchor stud and notched end installs spring on anchor.	•
SER **2774**	**Universal Brake Shoe Retaining Spring Tool:** Removes and installs small and large car drum brake retaining springs sizes 5/8"-11/16" and 11/16"-7/8" diameter.	•
SER **3163**	**Disc Brake Piston Tool:** Use on most domestic and import vehicles to rotate the parking brake activated piston back into the caliper cylinder.	•
SER **3355**	**GM-Ford Disc Brake Piston Tool:** Rotates the piston back on GM and Ford vehicles with rear wheel disc brakes. Fits GM vehicles with 2 1/8" and 1 7/8" pistons and Ford vehicles 1987 to current with rear disc brakes. Ford Applications: 1987-current T-Bird, 1988-current Continental, Mark VII, 1990-current Probe, Taurus/Sable, 1991-current Town Car, 1992-current Crown Victoria, Cougar, Grand Marquis.	•
SER **3525**	**Disc Brake Pad Spreader:** Pushes the caliper piston back on disc brakes that do not have the parking brake mechanism as part of the disc brake caliper.	•
SER **3962**	**Brake Lining Thickness Gauge**	•

NAPA ServiceTools

REAR BRAKE CALIPER KIT

Set designed for vehicles with brake pistons that are mechanically tied to the parking brake and require a turning action to push back. Set covers most domestic and import vehicles.



Contents

Item No.	Description
SER **41541**	Applicator & Pad
SER **41542**	Adapter 0—2 1/2", 1 Pin
SER **41543**	Adapter 2—2", 3 Pin
SER **41544**	Adapter 3—2 1/4", 3 Step
SER **41545**	Adapter 4—1 1/4", 2 Pin
SER **41546**	Adapter 5—1 3/8", 2 Pin 3/8" Drive
SER **41547**	Adapter 6—1 5/8", 2 Pin (L)
SER **41548**	Adapter 7—1 5/8", 2 Pin (S)
SER **41549**	Adapter 8—1 7/8", 1 Pin
SER **41550**	Adapter P—2 1/4", 1 Pin

SER **41540**

NAPA ServiceTools

T-HANDLE SINGLE SPRING BRAKE TOOL

Quickly and easily releases tension on large and small single spring brakes on GM vehicles. The tool design uses the hook to grab the spring while the tool tip is used as a fulcrum to pry the spring free. Can be used to re-install the W spring.

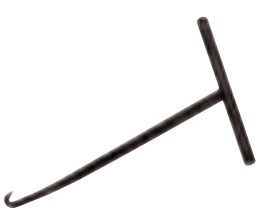


SER **49100**

EVERCRAFT

BRAKE SPRING TOOL

Removes and installs headlight adjusting and brake springs. Heat-treated alloy construction. Provides easy access to hard to reach areas.



BK **776-8050**

EVERCRAFT

BRAKE RETAINER SPRING REMOVER

Removes snap-ring-style clips used on GM X- and J-body cars. Can also be used on GM's S10/S15 trucks and four-wheel-drive vehicles.



BK **776-9043**

NAPA ServiceTools



DELUXE BRAKE SPRING TOOL

Features a special ramped spring adapter that saves you time and money by "turning" the springs on drum brake systems off the spring posts making the removal and installation much easier. Also features a retractable spring installer end that allows the spring to slide over the posts and then pop into place when the installer is retracted into the handle.





SER **3841**

EVERCRAFT



2-IN-1 BRAKE SPRING TOOL

Tool removes and installs return spring on Bendix drum brakes. Heat-treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Plated for rust resistance and easy clean up.

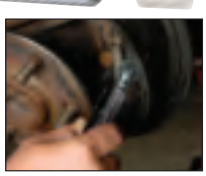
BK **776-9207**

EVERCRAFT

UNIVERSAL BRAKE SHOE RETAINING SPRING TOOL



Double-end tool removes and installs small and large car drum brake retaining springs. Tapered tool design fits sizes 5/8" to 11/16" and 11/16" to 7/8" diameter. Special sockets grip retaining washers. Push and turn to remove or install.



BK **776-9204**

EVERCRAFT

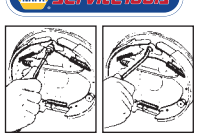
UNIVERSAL BRAKE SHOE RETAINING SPRING TOOL



Double-ended tool removes and installs drum brake retaining systems on both small and large cars. Tool fits sizes 5/8 to 7/8 inch diameters. Special socket-grip retaining washers. Push and turn to remove or install.

BK **776-9042**

NAPA ServiceTools





BENDIX DRUM BRAKE SPRING TOOL

Tool removes and installs return spring on Bendix drum brakes. To use, place socket end over spring anchor and twist to remove. Hook notched end through spring and over the post, then lift to install.

SER **280**

EVERCRAFT



2-IN-1 BRAKE SPRING WASHER TOOL

Tool removes and installs return spring on Bendixdrum brakes. Heat treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Offset design for hard-to-reach areas. Plated for rust resistance and easy clean up.

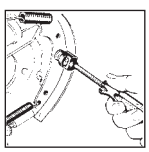
BK **776-9206**

NAPA ServiceTools



BRAKE SHOE RETAINING SPRING TOOL

Tool removes and installs retaining springs $^{11}/_{16}$" to $^{7}/_{8}$" in diameter. Special socket grips retaining washer. Push and turn to remove or install.



SER **285**

EVERCRAFT



BRAKE SPRING COMPRESSOR

Removes and installs backing plate springs, cups and pins. Improved tip design grips parts more securely. Heat-resistant handle.

BK **776-9203**

OTC



BRAKE SHOE RETURN SPRING PLIERS

Save time and effort removing or replacing extra-heavy, brake shoe return springs! Heavy-duty truck brake spring pliers provide the extra leverage needed for servicing hydraulic, wedge-type, and S-cam air brakes on many trucks and trailers. Mammoth, 26-inch-long size provides the leverage demanded to do the job. Huge jaw opening allows servicing on even the widest brake shoes.

BK **700-2086**

EVERCRAFT



BRAKE SPRING PLIERS

Tool easily removes and installs shoe return springs on most drum brakes. Heat-treated socket end removes spring from anchor stud while notched end installs spring on anchor stud. Plated for rust resistance and easy clean up.



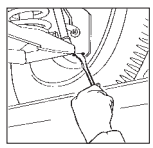
BK **776-9201**



EVERCRAFT

BRAKE SPRING PLIERS

Easily installs or removes brake shoe return springs on most drum brakes. Socket end removes spring from anchor stud, and notched end installs spring on anchor. Plated for rust resistance and easy clean up.



BK **776-9039**

NAPA ServiceTools



DRUM BRAKE ADJUSTING TOOL

Tool adjusts clearance between drum brake and brake shoe. It fits through a slot in the backing plate and turns the star wheel. Ends of tool are offset for hard-to-reach areas on small cars.

SER **295**

EVERCRAFT



9 IN. BRAKE ADJUSTMENT TOOL

Angled blades for confined areas. Adjusts star-adjuster and screw-adjuster type brakes quickly and easily. Drop forged steel. Chrome-plated to resist corrosion.

BK **776-9208**

EVERCRAFT



DRUM BRAKE ADJUSTING TOOL

Adjusts the clearance between brake drum and shoe. Used to turn the star wheel on the adjusting screw, which is accessible through slot on backing plate. Drop-forged and plated for long life. Fits many vehicle makes and models.

BK **776-9040**

EVERCRAFT



DRUM BRAKE ADJUSTING TOOL

Adjusts the clearance between the brake drum and shoe. Use to turn the star wheel on the adjusting screw, which is accessible through the slot on the backing plate. Head is offset for ease in hard-to-reach areas on small cars. Plated.

BK **776-9041**



NAPA ServiceTools

DRUM BRAKE ADJUSTING TOOL

Designed for adjusting Rockwell automatic slack adjusters. Includes forked-end tool for releasing tensioner button. Double square, offset, 5/16" reversible wrench features E-Z Grip handle, allowing the user to apply more turning power with less pressure and hand fatigue.

SER **4651**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/userNAPATools

OTC

S-CAM AIR BRAKE SLACK ADJUSTER PULLERS



BK **700-2107**

Designed to service all truck and trailer S-cam air brake slack adjusters. Eliminates costly S-cam damage that often occurs with the "heat and beat" removal method. Also enables replacement to be accomplished in a fraction of the usual time. Rugged forcing screw and cast-steel body. Automatic Puller (*BK* **700-2107**) works on Bendix, Gunite, Haldex and Rockwell automatic adjusters. Manual Puller (*BK* **700-2099**) fits all manual types.

BK **700-2107** Automatic
BK **700-2099** Manual



OTC

SLACK ADJUSTER TOOL

Enables you to quickly check the brake adjustment on class 7 and 8 trucks or trailers with S-cam brakes. Sturdy, four-position handle provides the leverage you need at the proper angle. Works on manual or automatic slack adjusters.

BK **825-5132**



NAPA ServiceTools

DRUM BRAKE ADJUSTING TOOL

Designed for brake adjustment on heavy-duty trucks equipped with Haldex slack adjusters. Features extra long handle and 7/16" 6-point wheel for added comfort.

SER **7578**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/userNAPATools



NAPA ServiceTools

DRUM BRAKE ADJUSTING TOOL

Designed for brake adjustment on heavy-duty trucks equipped with Bendix slack adjusters. Extra-deep 9/16" hex allows greater reach to recessed adjusters. Simply turn over to reverse. Protective vinyl boot helps keep contaminates out of ratchet mechanism for extended tool life.

SER **8569**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/userNAPATools



NAPA ServiceTools

BRAKE DRUM & ROTOR PULLER

Adjustable puller features 17" spread and 6" reach. Accommodates most common drum sizes and includes specially designed jaws to maximize surface contact for uniform grip even on deteriorated drums. Alloy steel bar is heat treated to withstand reaction force while remaining compact. Locking sliders ensure fast, simple jaw adjustment and provide support for proper alignment during use. Can be positioned for right- or left-handed users. Weighs less than 7 lbs.

SER **833**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/userNAPATools

OTC

BRAKE DRUM DOLLY

- Removes, installs, and transports truck brake drums without physically having to lift them.
- Works on 15" and 16 1/2" drums found on most Class 7 and 8 tractor and trailer brake systems.
- Heavy-gauge steel construction, ten-inch pneumatic tires, and adjustable handle.

BK **817-1293**





NAPA ServiceTools

DISC BRAKE CALIPER WRENCH

Wrench turns 3/8" hex socket cap bolts on some GM disc brake calipers for easy removal and installation. Tool is specially designed for this hard-to-reach area.

SER **2147**



EVERCRAFT

BRAKE CALIPER WRENCHES



For removal and installation of disc brake caliper mounting bolts on many GM & Ford vehicles. 4" Overall length. S2 bit material for strength and durability.

Item No.	Description
BK **776-9194**	3 Pc. Caliper Wrench Set (1/4", 5/16" & 3/8")
BK **776-9198**	1/4" Caliper Wrench
BK **776-9199**	3/8" Caliper Wrench
BK **776-9200**	5/16" Caliper Wrench

EVERCRAFT

4 PC. LONG SHANK STAR CALIPER BITS



4" overall length. S2 bit material and CR-V socket material for strength and durability. Includes sizes T-40, T-45, T-47 and T-50.

BK **776-9195**

EVERCRAFT

4 PC. LONG SHANK HEX CALIPER BITS



4" overall length. S2 bit material and CR-V socket material for strength and durability.

BK **776-9196** Includes sizes 7/32", 1/4", 5/16" and 3/8"
BK **776-9197** Includes sizes 6, 7, 8 & 10mm.
Fits most GM & Ford vehicles.

BK **776-9196**



EVERCRAFT

3/8 IN. DR. DISC BRAKE CALIPER RECESSED STAR SOCKETS

Internal sleeve on sockets helps maintain correct tool alignment and increase torque. Deep well star sockets feature black oxide finish.

Item No.	Description
BK **776-9230**	3 Pc. Recessed Star Socket Set (T-40, T-45, T-50)
BK **776-9231**	T-40 Recessed Star Socket
BK **776-9232**	T-45 Recessed Star Socket
BK **776-9233**	T-50 Recessed Star Socket

OTC



FORD CALIPER PIN REMOVER

The damage-free way to remove brake caliper pins on 1988-86 Aerostar, Bronco, E-/F-Series pickup; 1988-83 Ranger; and 1988-84 Bronco II.

BK **700-2475**

NAPA ServiceTools

4-IN-1 BRAKE PAD SPREADER



- Prevents damage to pistons, hubs or calipers
- Ensures parallel piston retraction on dual and quad piston calipers
- Easy left and right side use
- Designed to retract the toughest caliper pistons
- Single lever mechanism used to apply and release force for ease of operation and faster service

SER **70915**

NAPA ServiceTools

DUAL PISTON BRAKE CALIPER COMPRESSOR



Makes replacing dual piston brake pads a cinch! Simply squeeze handle until plunger contacts inboard brake pad. Continue squeezing to compress both pistons simultaneously.

SER **77-4004**

NAPA ServiceTools

SPEEDY BRAKE PAD SPREADER



Makes replacing brake pads a cinch! Simply squeeze the handle and the fast-acting plunger will compress disc brake pistons in seconds.

SER **77-4003**

NAPA ServiceTools

QUICK QUAD PAD SPREADER



Quick way to spread brake pads and compress disc brake pistons for pad replacement on single, double and quad piston calipers. Simultaneously compress all four pistons on quad piston applications. Can be used while caliper is on the vehicle or hanging free. Makes brake pad replacement a quick and easy job. Fits piston sizes 1, 2 and 4.

SER **29100**

NAPA ServiceTools

DISC BRAKE PAD SPREADER



Pushes the caliper piston back on disc brakes that do not have the parking brake mechanism as part of the disc brake caliper.
CAUTION: For intended use only.

SER **3376**

EVERCRAFT

DISC BRAKE PAD SPREADER



For installing brake pads on most passenger cars and light trucks. Compresses the disc brake piston for easy pad installation. Drop-forged, heat-treated steel pad puller, with black oxide finish. Chrome-plated, cold-rolled steel threads with swivel end.
CAUTION: For intended use only!
BK **776-9093**

EVERCRAFT

DISC BRAKE PAD SPREADER



Used to compress pistons back into calipers when installing new brake pads on any single or dual sliding type calipers. Swiveling nosepieces reduce the chance of piston cocking. Fine threaded screws for added pressure.
BK **776-8045**

NAPA ServiceTools

DISC BRAKE PAD SPREADERS



Works on twin and quad piston calipers and single and twin piston floating calipers. Centrally located ratchet evenly spreads force in a parallel manner to prevent misalignment of pistons. Ratchet technology gives a full 360-degree swing so that the spreader may be placed at any position.
SER **279**

EVERCRAFT

GM/FORD BRAKE PISTON TOOL



Used 3/8" drove tools. Tool rotates the piston back on GM and Ford vehicles equipped with rear wheel disc brakes. Fits GM with 2 1/8" and 1 7/8" brake pistons. Ford 1987 to current vehicles with rear disc brakes.
BK **776-9241**

EVERCRAFT

DISC BRAKE PISTON TOOL



Designed to rotate the parking-brake-activated piston back into the caliper cylinder when replacing pads on vehicles with four-wheel disc brakes. Zinc-plated tool has six different configurations. For use with 3/8-inch drive tools.
CAUTION: Wear eye protection. Do not use with power tools.
BK **776-9037**

NAPA ServiceTools



S-CAM 18 WHEELER BRAKE TOOL

Offers a more efficient way to change brake shoes on S-Cam drum brake assemblies. Steel shaft has two ends that perform two different tasks. Springs stretch to hold shoes together or position the brake shoes allowing leverage for roller installation. Hooked-end pulls brake shoes apart for easy installation.
SER **36700**

NAPA ServiceTools



DIGITAL BRAKE DRUM GAUGE

Features 4.25" deep arms and pointed anvils to inspect drums before turning or replacing. Easy-to-read digital display with inch and metric conversion. Selectable depth stops for easier use. Measurement increments of .001" / .01mm
SER **3777**

NAPA ServiceTools

DIGITAL BRAKE ROTOR MICROMETER



Improved design for easier measurement of brake rotors. Depth rod for measuring pad wear. Pointed anvil and 3.5" long arms to inspect rotors before turning or replacing them. Improved anvil and arm design to better get into scores and tight spaces. Easy to read digital display with inch/metric conversion. 0 to 4" (0 to 100mm) range. Replaceable Battery # SR44/357.
SER **3774**

NAPA ServiceTools



DIGITAL WHEELS-ON ROTOR GAUGE

Allows measurement of brake rotor thickness without removing the wheel. Gauge fits between the dust shield and rotor. It has digital readout with push button inch/metric conversion. Range Up To 3.5" (88mm). Brake rotor gauge measurement increments are .00" (.01mm). Brake rotor gauge material is steel.
SER **3M335**

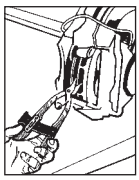
NAPA ServiceTools

BRAKE ROTOR OUTSIDE MICROMETER



Features pointed anvil and 3½" deep frame to do full face of rotor. Measures in increments of .0001" / .001 mm; from .3" – 1.3".
SER **3735**

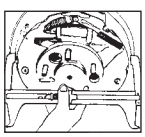
DISC BRAKE LINING WEAR GAUGE

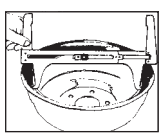


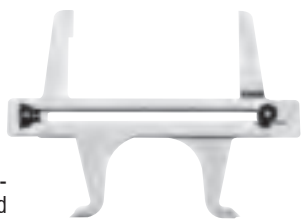


Gauge measures brake lining remaining on bonded pads in fractions from 1/16" to 5/8" in 1/32" graduations. Tool checks measurement without removing caliper. Tool is patented.

SER **2116**







BRAKE RESETTING GAUGE

This quality tool is used to set the proper clearance between brake lining and drum prior to assembly. Inside calipers measure drum diameters and outside calipers transfer measurement to brake shoes. Knurled knob locks tool at measurement. Diameter range: 6 1/2" to 14 1/4". Calibrated in 1/32" (1mm) increments.

SER **3377**



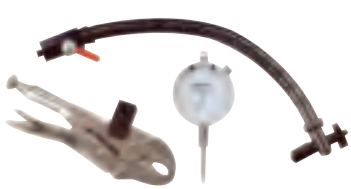
BRAKE PAD GAUGE

Brake pad gauge allows for a definitive measurement of brake pads to determine remaining life. The unique design allows for measurement on the vehicle without the removal of any components in most cases. (Wheel assembly or brake caliper). A quick reference of brake pad condition via color-coded scale. Green, yellow or red colored scale based on barrel measurement.

SER **6596**

ROTOR/BALL JOINT GAUGE WITH DIAL INDICATOR AND LOCKING PLIERS





Measure wear and run-out on brakes (tires can only be done with a roller contact that is not included in the set)

- 2 1/4" Dial Face
- Range 0-1.00 Graduations .001"
- Special locking plier for easy mounting
- Flex arm to easily locate the indicator
- Includes case

SER **3763**

DIAL INDICATOR SET W/ON & OFF STAND

Extremely accurate indicator with continuous revolution counter and rotating bezel for easy set up. Features strong magnet for secure mounting.

Features

- Range: 0-1"
- Graduations: .001"
- Centered V-magnet for strongest grip on round or flat surfaces
- Powerful 130 lbs. pull
- Two magnetic mounting surfaces: bottom and back
- Swivel adapter to mount all AGD Dial Indicators with lug backs
- Universal dovetail clamp for Dial Test Indicators
- On/Off switch
- Center rod 1/2" diameter x 7" high



Item No.	Description
SER **3761**	Dial Indicator Set W/On & Off Stand
SER **3766**	Replacement Dial Indicator
SER **3765**	Micrometer & Bore Gauge Stand

DIGITAL DIAL INDICATOR SET

Features

- Zero setting at any position, metric/inch system
- Interchange at any position, data output interface, data holding function
- Fast tracing of minimum value or maximum value during measurements
- Dial indicator measuring increments of .001" / .02mm, up to 1" (25mm)
- Auto power on/off
- Comes with deluxe on/off stand



Item No.	Description
SER **3762**	Dial Indicator Set W/On & Off Stand
SER **3767**	Replacement Dial Indicator
SER **3765**	Micrometer & Bore Gauge Stand

DEPTH MICROMETER

Used for precision measurements of hole depth, recesses and skyways. Measurement range of up to 6 inches. 4-inch wide base.

SER **3746**





BORE GAUGE SET

Quickly and accurately measures cylinders for wear. Check cylinder diameter when used with micrometer. Features 2" - 6" Range w/ .0005" graduations. Self- centering. Plastic indicator mount with satin chrome body.

SER **3769**



6 PC. BORE GAUGE SET

Features

- Measure slot or recess from 5/16" – 6"
- Plunger expands in hole to be measured
- Knurl locks the setting for sizing with micrometer or caliper
- Satin chrome finish
- In plastic folding pouch

SER **3771**



UNIVERSAL HYDRAULIC TOOL SET

This kit fabricates Push Connect fittings 1/4", 5/16", and 3/8"; GM Fuel Line Flare, Brake Lines, and Transmission Lines 5/16" and 3/8"; Flare/Double Flare 3/16", 1/4", 5/16", 3/8", and 1/2"; Metric Bubble Flare 4.78, 6, 8, and 10mm. Comes in a custom molded case with quick start reference guide.

NTE **78-3200** Universal Hydraulic Tool Set
NTE **78-3316** 3/16" Adapter for *NTE* **78-3200**



COMBINED DOUBLE/BUBBLE FLARING TOOLS & KIT

- Features complete double and bubble flaring tool assortment, including adapters for forming double flares
- Set contains SAE and Metric bar assembly, yoke assembly, reamer, cutter and flaring tool adapters in sizes 3/16", 1/4", 5/16", 3/8", 1/2", 4.7mm, 6mm, 8mm, and 10mm. Storage case and instructions
- Precisely flares tubing up to 0.040 wall thickness to SAE/Metric 45-degree flares
- Tough hardened forged-steel construction

Item No.	Description	*SER* **41880** 14 Pc. Set
SER **41594**	5 pc. Flaring Adapter Set	•
SER **41595**	Holding Bar	•
SER **41596**	Universal Yoke	•
SER **3905**	Deburring Tool	•
—	Bubble Flaring Tool Holding Bar	•
—	4 pc. Bubble Flaring Adapter Kit	•
SER **2107**	Cutter	•

CAUTION: Not for use on stainless steel tubing



DOUBLE FLARING TOOL KIT

- Features complete flaring tool assortment including corresponding adapters for forming double flares
- Set contains SAE bar assembly, yoke assembly, reamer, flaring tool, adapters in sizes 3/16", 1/4", 5/16", 3/8", and 1/2" along with storage case and instructions
- Tough hardened forged-steel construction

CAUTION: Not for use on stainless steel.

SER **41860**



I.S.O. (BUBBLE) FLARING TOOL KIT

Forms International Standard bubble flare in one fast operation. For 4.75 (3/16"), 6, 8 and 10mm OD tubing. Flares soft double wall steel tubing with a wall thickness to .028". Flares metric hydraulic brake lines used on European, Japanese and domestic automobiles and light trucks. Can also be used on industrial applications where vibration is a problem.

SER **3482** I.S.O. (Bubble) Flaring Tool Kit
SER **3482-1** Replacement Adapter for 4.75mm (3/16") OD tubing



TUBING TOOLS AND MASTER SERVICE KIT

For tubing service. No other kit does all this: Double Flare, Bend, Cut, Ream, and Deburr.

Item No.	Description	*SER* **41590** 6 Pc. Kit
SER **2107**	Mini Tubing Cutter: 1/8"-5/8" dia. thin-wall steel, plastic, copper and brass	•
BK **776-9219**	Tubing Bender: For 3/16", 1/4", 5/16", and 3/8" copper and steel tubing	•
SER **3905**	Deburring Tool: Cleans flares	•
SER **41594**	Flaring Adapter Kit: For Double Flare 3/16", 1/4", 5/16", 3/8", and 1/2" copper and steel tubing	•
SER **41595**	Holding Bar: Clamps tubing sizes 3/16", 1/4", 5/16", 3/8", and 1/2" and Yoke	•
SER **41596**	Yoke: For Flaring Tool	•



18 PC. MASTER IN-LINE FLARING TOOL

Tool's unique design locks the adapters, cone and tube in a perfect line making perfect factory flares every time with less risk of breaking adapters. Clamp and set screws put pressure directly over the tube reducing the chance of the tube slipping from the clamp and increasing overall clamp life. Slender, low-profile design allows the user to make flares on the vehicle and in tight spaces. Flares can be achieved along frame rails or areas in the engine compartment, eliminating the need to remove components or complete lines to make repairs. Tubing size range: 3/16", 1/4", 5/16", 3/8", 4.75mm, 6mm, and 8mm.

SER **165C**



MASTER BRAKE FLARING TOOL KIT

Master brake flaring tool kit is designed for metric and standard brake lines. Performs single flares, double flares and bubble flares. Includes tubing cutter, flaring bar, arbor press, adapters, and deburring tool. Comes in a blow-molded case.

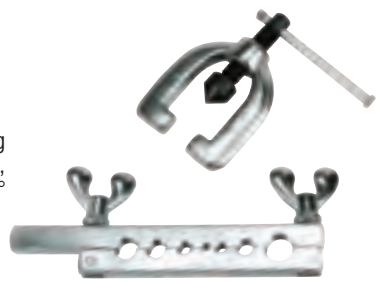
SER **6502**



AUTOMOTIVE DOUBLE FLARE TOOL

Low-profile design allows for use on the car or off. Designed to be used with ratchet to make flares easier. In-line design makes more accurate flare, and double clap and hex screw design keeps tubing locked tightly in position. Tubing size range: 3/16" and 4.75mm.

SER **161A**



FLARING TOOL KIT

Accurately flare seven tubing sizes (3/16, 1/4, 5/16, 3/8, 7/16, 1/2, and 5/8 inch) to SAE 45° flares.

CAUTION: Do not use on steel tubing.

BK **776-9069**



DOUBLE FLARING TOOL

Easy to use lever lock flaring bar. Floating cone for accurate alignment. Contains flaring bar, yoke, (5) double flare dies in sizes 3/16", 1/4", 5/16", 3/8" & 1/2" O.D.

BK **776-9167**



TUBING BENDER

This hand operated tubing bender is easy to use with one end connected or mounted in a vise. Nylon prevents kinking and flattening. Tubing Size: 3/16" - 3/8".

CAUTION: Do not use on steel.

SER **44000**



3/16 IN. TUBING BENDER PLIERS

Bends all types of 3/16-inch tubing, including brake lines, without kinking or flattening. Especially handy for working in tight spaces. Handles are more than 3 1/4 inches apart for proper leverage, even when handling steel tubing. Will not mark tube surfaces.

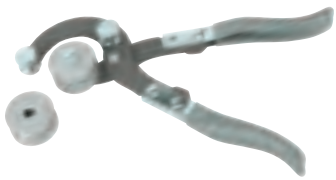
BK **77-4028**

EVERCRAFT

PRECISION TUBING BENDER

Bends 3/16", 1/4", 5/16" and 3/8" copper and steel tubing. Two roller sizing adapters included. Forms tubing in tight bends without collapsing.

BK **776-9219**



EVERCRAFT

TUBING BENDER

Bends 3/16, 1/4, 5/16, and 3/8 inch diameter tubing without kinking. Just place tubing in groove and turn handle to bend. Heavy-duty construction for long service.

BK **776-9001**



EVERCRAFT

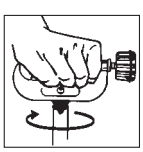
HEAVY-DUTY TUBING BENDER

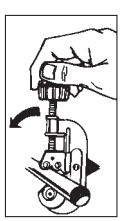
Heavy duty tubing bender is used to make left, right and offset bends up to 90° in aluminum, copper and stainless steel tubing. Designed for professional auto mechanics and heavy-duty applications. Tubing bender is lightweight for easy handling.

BK **776-8074**









NAPA ServiceTools

TUBING CUTTER

Tool cuts tubing, copper, brass, aluminum and thin wall conduit. Features a 1/8" to 1 1/8" capacity and has a reamer blade to clean off and smooth any sharp edges. Both the cutter wheels and reamer are made of hardened alloy steel.

SER **3457**

EVERCRAFT

MINI TUBING CUTTER

Cuts thin-wall steel, plastic, copper, and brass tubing from 1/8 to 5/8 inches (3 to 16mm) in diameter. Two rollers provide a burr-free cut, and compact size allows cutter to fit into tight work areas. Strong metal frame and carrier.

BK **776-9000**



NAPA ServiceTools

3 PC. BRAKE/ENGINE CYLINDER HONE SET

For use on brake and small engine cylinders. Number of Stones: 11. Stone Length: 1 1/8", 2". Hone Length: 8". Cylinder Range: 3/4"-2 1/2" Dia.

SER **10250**

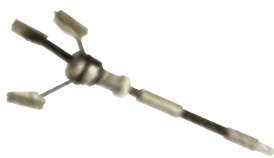


NAPA ServiceTools

DISC BRAKE CYLINDER HONE

Special abrasive pads polish cylinder without cutting. Controlled pressure, three abrasives, and flexible driver provide good stability and speed. Cylinder Range: 1 1/2"-3 1/8" Dia. Stone Length: 1".

SER **10400** Cylinder Hone
SER **10490** Replacement Stone Set



EVERCRAFT

3 STONE BRAKE & ENGINE CYLINDER HONE

- Fits 1 1/4" (31.8mm) to 3 1/2" (88.9mm) cylinders
- Medium Grit stones #220 x 2" (50.8mm)
- Flex shaft and adjustable tension.

BK **776-9221** 3 Stone, 1 1/4" to 3 1/2" Cylinder Hone
BK **776-9222** 3 Pc. Replacement Stone Kit



EVERCRAFT

3 STONE BRAKE CYLINDER HONE

- Fits 3/4" (19.1mm) to 2 1/2" (63.5mm) cylinders
- Medium Grit stone #220 x 1 1/8" (28.6mm)
- Flex shaft and adjustable tension

BK **776-9223** 3 Stone, 3/4" to 2 1/2" Cylinder Hone
BK **776-9224** 3 Pc. Replacement Stone Kit



EVERCRAFT

2 STONE BRAKE CYLINDER HONE

- Fits 3/4" (19.1mm) to 2 1/4" (57.2mm) cylinders
- Medium Grit stone #220 x 1 1/8" (28.6mm)
- Flex shaft and adjustable tension

BK **776-9226** 2 Stone, 3/4" to 2 1/4" Cylinder Hone
BK **776-9224** 3 Pc. Replacement Stone Kit





SER **10500**



SER **10000**

BRAKE CYLINDER HONES

Controlled pressure makes it possible to polish or hone with just one stone grit. Flexible drivers with square ends hone step-cut and blind-end cylinders. Grit: 240. Length: 1 1/8".

Item No.	Description
SER **10500**	2-Stone for 11/16"-2 1/2" Cyl.
SER **10550**	Replacement Stones for *SER* **10500**
SER **10000**	3-Stone for 2" Cyl.
SER **10050**	Replacement Stones for *SER* **10000**



ECONOMY BRAKE & ENGINE CYLINDER HONE SET

Multi-purpose set includes three complete hones and one set of 2" stones.

Contents

- Complete hone for brake, master and wheel cylinders 3/4" through 2 1/2" capacity, with 1 1/8" medium-grit stones
- Complete hone for small car brake wheel cylinders 1/2" through 1 3/4" capacity, with two 1 1/8" medium-grit stones
- Complete hone for disc brake caliper honing. 1 1/4" through 3 1/2" capacity, with 3/4" medium-grit stones; also ideal for lawn and garden small-engine cylinder honing when used with three 2" medium-grit stones (included)

SER **3029** Hone Set
SER **3029-75** Three Replacement 2" Cylinder Hone Stones



BRAKE CYLINDER HONE

Tool hones drum brake wheel cylinders and disc brake calipers from 13/16 to 2 3/4" (21 to 69mm) in diameter. Its sleeve makes insertion in cylinder easy and protects stones when not in use. Use with a variable-speed drill. Use *SER* **2004** Stone Set for disc brake honing and *SER* **266** for drum brake honing.

SER **265**



BRAKE CYLINDER HONE

Tool hones drum brake wheel cylinders and disc brake calipers. Sleeve makes insertion in cylinder easy and protects stones when not in use. Use variable-speed drill. Stones: 3. Bore Diameter: 13/16" - 2 3/4".

SER **2544** Works on cylinders with through-bore or blind end.
SER **267** Fits Volkswagen and other small diameter wheel cylinders.



SER **266**

REPLACEMENT STONES

Stones fit brake cylinder hones *SER* **265**, *SER* **2544** and *SER* **267**.

Item No.	Description	Size	Stone	Qty.
SER **266**	For *SER* **265** and/or *SER* **2544** Drum Brake Cylinder Hone	320	1 1/8"	3
SER **2004**	For Converting 3-Legged *SER* **265** or *SER* **2544** Cylinder Hone to Disc Brake Hone	400	3/4"	3



BRAKE CYLINDER FLEX HONE

Deglazes and produces optimum sealing surface on disc brake cylinders. Use with variable speed drill. Cylinder Size Range: 3 1/8". Power Source: Variable Speed Drill. Stone Surface Length: 1.5".

SER **2485**

Other grits, abrasive types and sizes available. Please contact your NAPA® AUTO PARTS Store for product selections.

BRAKE CYLINDER FLEX-HONES

Tool hones drum brake wheel cylinders from 0.787 to 1 3/8" (20 to 35mm) in diameter. It develops a plateaued finish for excellent brake fluid retention. Use with a variable-speed drill. Grit: 180, Length of Beaded Section: 3", Overall Length: 3".

Item No.	Hone Size	Rec. Min. Working Diameter
SER **2480**	7/8" (22mm)	0.787 (20mm)
SER **2481**	1" (25mm)	7/8" (22mm)
SER **2482**	1 1/8" (29mm)	1" (25mm)
SER **2483**	1 3/8" (35mm)	1 1/8" (29mm)



SER **2480**

Other grits, abrasive types and sizes available. Please contact your NAPA® AUTO PARTS Store for product selections.



SER **41670**

TRUCK SPINDLE NUT WRENCHES & SET

Perfect for late model Ford, Dodge, and Toyota trucks. This versatile kit contains seven of the most popular wheel bearing lock nut sockets. Wrenches remove 6- and 8-point spindle nuts on trucks. Turn with 3/4" square drive tool. Depth: 2 7/8" Wall Thickness: 2.00" Overall Length: 3 7/16".
CAUTION: Do not use with power tools.

Item No.	Size	Description	*SER* **41670** 7 Pc. Set
SER **2430**	2 3/32"	Hex	
SER **2431**	2 1/4"	Hex	
SER **2432**	2 3/8"	Hex: For 1984-92 Ford Ranger, Bronco II, & Explorer with automatic locking hubs.	•
SER **2434**	2 3/8"	Rounded Hex (Dana): For 1990 and newer Ford Rangers, Bronco II, and Explorers with automatic locking hubs	•
SER **2435**	2 1/2"	Hex: Fits Hex nuts found on rear axles and various front axles on light-duty trucks.	•
SER **2436**	2 9/16"	Rounded Hex (Dana): For 1990-93 Dodge trucks with Dana 60 manual hubs.	•
SER **2437**	2 9/16"	Hex	
SER **2438**	2 9/16"	Octagon	
SER **2439**	2 5/8"	Hex	
SER **2440**	2 3/4"	Hex	
SER **2441**	2 3/4"	Octagon	
SER **2442**	2 7/8"	Hex	
SER **2444**	3"	Hex	
SER **2445**	3"	Octagon	
SER **2448**	3 1/4"	Hex	
SER **2449**	3 1/4"	Octagon	
SER **2451**	3 1/2"	Hex	
SER **2453**	3 3/4"	Octagon	
SER **2455**	3 13/16"	Octagon: For 1995-96 Ford F-150 trucks and full-sized Broncos with automatic locking hubs.	•
SER **2456**	3 7/8"	Hex: For 3/4- and 1-Ton Ford F250-350 trucks with automatic locking hubs.	•
SER **2457**	3 7/8"	Octagon	
SER **2458**	4"	Hex	
SER **2459**	4 1/8"	Hex	
SER **3912**	55mm	Hex: For front wheel adjusting nuts found on Toyota FJ, LN, and RN models.	•

4-WHEEL-DRIVE SPINDLE NUT WRENCH



Four-lug wrench removes spindle nuts on 4-wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool. Will work on Ford vehicles with ratcheting type lock nuts on front axle.

Dimensions

Outer Diameter:.....2.63"
Inner Diameter: .....2.27"
Length: .....3.24"
Inside Depth:.....3.0"

Applications

- 1981-1997 Ford F250-350, Bronco with Dana Axle, or Dana 50IFS or model 60 monobeam axle outer adjusting nut.
- 1982-1990 GM Heavy Duty 3/4- and 1-ton trucks

CAUTION: Do not use with power tools.

SER **3246**

4-WHEEL-DRIVE SPINDLE NUT WRENCH



Four-lug wrench removes spindle nuts on 1/2- and 3/4-ton 4-Wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool. Will work on Ford Vehicles with ratcheting type lock nuts on front axle.

Dimensions

Outer Diameter:.....2.370"
Inner Diameter: .....2.00"
Length: .....2.94"
Inside Depth:.....2.375"

Applications

- 1959-1980 Ford 1/2- and 3/4-Ton, Bronco
- 1984-Newer Ford Ranger and Bronco II with manual hubs
- 1993-Newer Ford Ranger, Bronco II and Explorer with manual hubs
- 1980-1996 Ford F150, Bronco, F250 and 350 with Dana 44 Axle or ratcheting lock nut
- 1960-1990 GM 1/2-Ton, Full size Blazer/Jimmy
- 1969-89 Dodge 1/2-Ton with manual hubs
- 1990-93 Dodge with Dana 44 Axle with automatic lock hubs

CAUTION: Do not use with power tools.

SER **2467**

4-WHEEL-DRIVE SPINDLE NUT WRENCH



This 6-lug wrench removes spindle nuts on 4-wheel drive vehicles. It features uniquely designed lugs for maximum strength. Use with 1/2" square drive tool.

Dimensions

Outer Diameter:.....2.60"
Inner Diameter: .....2.23"
Length: .....2.94"
Inside Depth:.....2.375"

Applications

- 1973-1981 GM 3/4- and 1-Ton 4WD Trucks
- 1978-1984 Ford F250-350 Trucks
- 1984-1992 Ranger, Bronco with manual hubs
- 1990-1993 Dodge Trucks with Dana 44

CAUTION: Do not use with power tools.

SER **2770**

NAPA ServiceTools

FORD SPINDLE NUT WRENCH

Specially designed wrench removes Ford high-sheer ratcheting lock nut on popular F250/350 series trucks. Special feature includes a centering snout to help locate special axle nut and uniquely designed lugs for maximum strength. Use with 1/2" drive tool.



Dimensions

Outer Diameter Cup:.....2.73"
Inner Diameter Cup: .....2.40"
Length Cup: .....2.0"
Inside Depth Cup:.....1.625"
Tube Outer Diameter:.....1.53"
Tube Inner Diameter: .....1.26"

Applications

- 1985 to current Ford F250-350 with Dana 80 Rear Axle, and 10 1/4" ring gear
- 1987 E350 to current with Dana 80 rear axle and 10 1/4" ring gear
- 1988 to current F Super Duty with Dana 80 rear axle and 10 1/4" ring gear

CAUTION: Do not use with power tools.

SER **3195**

EVERCRAFT

FOUR-WHEEL-DRIVE SPINDLE NUT WRENCH

Six-lug wrench removes spindle nuts on four-wheel-drive vehicles. Fits 1998-78 3/4-ton Fords. For use with 1/2 inch drive tools.



CAUTION: Do not use with power tools.

BK **776-9025**

EVERCRAFT

FOUR-WHEEL-DRIVE SPINDLE NUT WRENCH

Four-lug wrench removes spindle nuts on four-wheel-drive vehicles. Fits spindle nuts on 1/2-ton Chevy, GMC, Blazer, Ford Bronco/Bronco II/Ranger, and 3/4-ton Fords with spline-type hubs. Also fits IHC 1100 Series and 1/2-ton Dodge vehicles.



CAUTION: Do not use with power tools.

BK **776-9026**

EVERCRAFT

1/2 IN. SPINDLE NUT SOCKET

Fits: Chevy 1/2-ton, GMC, Blazer, Bronco II, Ranger, Explorer. 1/2- and 3/4-ton Ford, spline-type hub, IHC 1100 series and 1/2-ton Dodge vehicles. Will work on Ford vehicles with ratcheting type lock nuts on front axle.



CAUTION: Do not use with power tools.

BK **776-9027**

EVERCRAFT

1/2 IN. DR. 2 LUG SPINDLE NUT WRENCH

For use on 1995-88 Isuzu pickups, Trooper, Amigo, and Rodeo 1989-85 Honda Passport, Jeep J-20 vehicles with Dana 60 axle.



CAUTION: Do not use with power tools.

BK **776-9179**

EVERCRAFT

1/2 IN. DR. 4 LUG SPINDLE NUT WRENCH

Fits 1982-1990 3/4- & 1-ton GM heavy duty trucks, 1985 to current 1/2-ton Ford F-Series and full size Bronco with DANA 28 front axle, 1985-1/2 to current Ford F-250 heavy duty truck, 1985-1/2 to current Ford F-250 4X4, DANA 50 IFS and Model 60 monobeam outer adjusting nut.



CAUTION: Do not use with power tools.

BK **776-9180**

EVERCRAFT

1/2 IN. DR. TOYOTA LOCKNUT TOOL

For use on 1995-current Toyota Tacoma and 1996 to current T100 and 4Runners.

- Four pin design for quick and easy removal
- Removes locknuts from vehicles with new design front wheel bearings
- For use with 1/2" drive tools
- Heavy-duty chrome moly alloy steel construction



BK **776-9171**

EVERCRAFT

6 PT. WHEEL BEARING LOCK NUT SOCKETS & SET

Forged from CR-V alloy steel for maximum strength. For installation and removal of locknuts. Use with 1/2" dr. ratchet or breaker bar.



Item No.	Description	*BK* 776-9138 7 Pc. Set
BK **776-9131**	2 3/8", Hex	•
BK **776-9132**	2 3/8", Rounded Hex	•
BK **776-9133**	2 1/2", Hex	•
BK **776-9134**	2 1/2", Rounded Hex	•
BK **776-9135**	2 9/16", Rounded Hex	•
BK **776-9136**	2 3/4", Rounded Hex	•
BK **776-9137**	55mm, Hex	•

EVERCRAFT

9 PC. 1/2 IN. AXLE NUT SOCKET SET

This performance set is made from heavy duty Chrome Moly steel and features an extra long 6-point design. For removal or installation of axle nuts. Spindle nut socket sizes: 29, 30, 31, 32, 33, 34, 35, 36, 38-mm. Includes convenient blow molded storage case.



BK **776-9034**

EVERCRAFT

1/2 IN. DR. AXLE NUT SOCKETS

Item No.	Size	Description
BK **776-9173**	29mm	For use on late model GM and Ford Escort and Fiesta 1985-current vehicles.
BK **776-9172**	31mm	For use on Honda vehicles.
BK **776-9175**	33mm	For use on GM and Chrysler vehicles.
BK **776-9174**	35mm	For use on late model GM vehicles.
BK **776-9187**	38mm	For use on late model Ford and GM full-size & SUV vehicles



BK **776-9173**

EVERCRAFT

FRONT-WHEEL-DRIVE AXLE NUT SOCKETS

Designed for use on front-wheel-drive spindle nuts. Length: 3 1/2 inches.

Item No.	Size
BK **776-9021**	32mm
BK **776-9022**	36mm
BK **776-9023**	30mm
BK **776-9024**	34mm



BK **776-9021**

EVERCRAFT

1/2 IN. DR. DODGE SPINDLE NUT SOCKET

6 pt. design for use on 1994 and newer Dodge 1/2-ton 4x4 pickups with Dana 44 front axle with vacuum disconnect front axle.

BK **776-9186**



NAPA ServiceTools

4-WHEEL-DRIVE SPINDLE PULLER

Removes front spindle to access needle bearing when lubricating and aligning front wheels. 5/8"-18 fine thread permits use with slide hammer. Fits spindle thread sizes 2"-16, 1 5/8"-16, and 38mm-1.5 Applications: Full-size GM, Ford, Jeep and International pickups with Dana front axles, plus Ranger and Bronco II.

SER **3910**



EVERCRAFT

4-WHEEL-DRIVE SPINDLE NUT REMOVER

Removes spindle from housing on most common 1/2-ton & 3/4-ton 4WD trucks. 3-step design fits 1 1/2", 1 5/8" and 2" spindles. Use with 1/2" - 20 and 5/8" - 18 threaded slide hammers.

BK **776-9181**



NAPA ServiceTools

TOYOTA LOCK NUT TOOL

Services high-torque lock nuts on Toyota 4WD vehicles having free-wheel (lock-out) hubs; 1995-newer Tacoma; 1996-newer T100 and 4Runner.

SER **3911**



NAPA ServiceTools

4-LUG 4-WHEEL-DRIVE SPINDLE NUT SOCKET

1/2-ton Dana 50: Remove and install 4-slot front axle locknuts on 1981-97 Ford F250-350, Bronco with Dana Axle, or Dana 50IFS or model 60 monobeam axle outer adjusting nut; 1982-90 GM Heavy Duty 3/4- and 1-ton trucks.

SER **3937**



EVERCRAFT

1/2 IN. DR. AXLE SPINDLE NUT SOCKET

Chrome-moly construction. The 39mm, 12-point size fits Toyota trucks, SUVs and others.

BK **776-8052**



NAPA ServiceTools



MASTER AXLE SPINDLE RETHREADING DIES & KIT

12-piece thread restoring die set for proper repair or renewal of damaged threads in stub axles/spindles on most vehicles (refer to automotive manuals for correct size for applications). Rethreading dies are made from high tempered steel for strength and durability and are hex-shaped for use with a socket or wrench (not for use with impact gun.) Dies will remove nicks and burrs in existing threads and are intended for "chasing" - not cutting new threads. Dies are packaged in a plastic case and include the following 12 most popular sizes: 3/4"-16, 3/4"-20, 13/16"-20, 27/32"-20, M16 x 1, M16 x 1.5, M20 x 1, M20 x 1.5, M22 x 1.5, M24 x 1.5, M24 x 2, M27 x 2.

Item No.	Description	*SER* **3481** 12 Pc. Kit
SER **3481-1**	3/4"-16 Repl. Rethreading Die	•
SER **3481-2**	3/4"-20 Repl. Rethreading Die	•
SER **3481-3**	13/16"-20 Repl. Rethreading Die	•
SER **3481-4**	27/32"-20 Repl. Rethreading Die	•
SER **3481-5**	M16 x 1 Repl. Rethreading Die	•
SER **3481-6**	M16 x 1.5 Repl. Rethreading Die	•
SER **3481-7**	M20 x 1 Repl. Rethreading Die	•
SER **3481-8**	M20 x 1.5 Repl. Rethreading Die	•
SER **3481-9**	M22 x 1.5 Repl. Rethreading Die	•
SER **3481-10**	M24 x 1.5 Repl. Rethreading Die	•
SER **3481-11**	M24 x 2 Repl. Rethreading Die	•
SER **3481-12**	M27 x 2 Repl. Rethreading Die	•

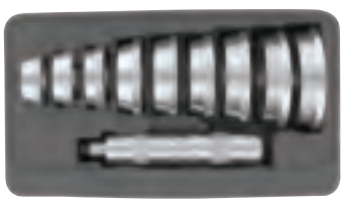
BEARING RACE & SEAL KIT



This kit allows you to install tapered bearing races and seals without damage to the component or housing. Includes a driver handle plus nine popular bearing and seal drivers in sizes 1.565", 1.750", 1.961", 2.325", 2.470", 2.555", 2.830", 2.995" and 3.180".

SER **41630**

BEARING RACE INSTALLATION KIT



This 10 piece kit is used to install most standard wheel bearing races. Includes a driver handle plus 9 popular bearing and seal drivers ranging from 1.565" to 3.18". Comes in a durable molded plastic storage/carrying case. Designed for professional auto mechanics and heavy-duty applications. Includes instructions and part diagram.

BK **776-8079**

BEARING RACE & SEAL DRIVER ADAPTER

Allows user to install tapered bearing races and seals without damage to component or housing.

Item No.	Size
SER **41634**	1.961"
SER **41636**	2.47"
SER **41639**	2.995"



SER **41636**

4-WHEEL-DRIVE FRONT HUB PULLER



For removal of front hub assembly. Services most 1/2-, 3/4-, and 1-ton GM 2000-88 trucks/SUVs; 2000-94 Dodge Rams; 2000-97 Ford trucks/ Expeditions; and 2001-85 Jeep Cherokees.

BK **700-2453**

FORD HUB LOCK REMOVER PLIERS



Quickly and easily removes hub lock on four-wheel-drive Ford F-Series Super-Duty pickups without damaging the hub lock cover. Vinyl pads on jaws help grip hub lock and prevent scratching of outer surface.

BK **77-4015**

WHEEL HUB OIL PAN



Catches oil from wheel hubs after removing cap and prevents oil mess during wheel repair. Handle compartments keep hub nuts out of oil. Made of durable polypropylene — will not warp if oil is warm. Fits rims with 13, 3/4-inch I.D. and larger. Capacity: 88 oz.

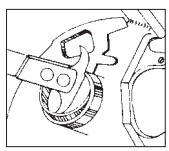
SER **77-4042**

SEAL PULLER



Use tool to remove oil and grease seals on automobiles and light trucks. Puller has two tip sizes for most applications. To use, insert tip behind seal and use leverage to remove.

CAUTION: Do not use as a striking tool.
For intended use only.



SER **3245**

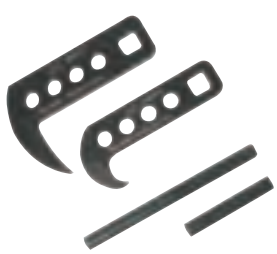
SEAL PULLER



For removal of oil and grease seals. 2 size tips to fit most applications. To use: insert tip behind seal and use leverage to remove.

BK **776-9235**

UNIVERSAL SEAL PULLER KIT



Universal seal puller kit includes two sized pullers. Use with 3/8" breaker bar. Pin creates a pivot point on the surface of the seal, thus distributing the force evenly over a larger surface area (when compared to current seal puller design). Greater surface area on hook helps prevent seal puller from piercing through the seal.

SER **1850**

AXLE STUD CONE PLIERS



Now you can easily remove the tapered cone from studs used on medium and heavy-duty truck rear axles. Specially designed plier gives the leverage needed to expand the cone and remove it from the stud for axle removal.

BK **700-2248**



SER **2304**

SERRATED WRENCHES

Install and remove 12-point (triple square) metric socket-head screws by turning with a socket or wrench. Made from heat-treated alloy steel.

Item No.	Size	Hex Size	Length
SER **2304**	8mm	5/16"	3"
SER **2305**	10mm	1/2"	3 1/4"
SER **2306**	12mm	1/2"	3 3/4"







See our demo video at www.kentool.com

PRO SUPER HUB SHARK® BEARING & ROTOR PULLING SYSTEM

Replace the front wheel bearings on front wheel drive vehicles without removing the steering knuckle from the vehicle - in about 20 minutes per wheel. Includes everything you need to do the job. 40 lbs. (18.1 kg).

- Keep more jobs in house - don't send bearings out to be machine pressed
- Save time and money with reduced down time
- Pull and press any hub or bearing on domestic and import vehicles
- Pull inner bearing race from the hub
- Done completely on vehicle - no need to remove the knuckle assembly and re-align the front end
- Always be sure the center screw thread is clean and well lubricated
- Always wear safety goggles
- The Hub-Shark® is patented

Item No.	Description
SPC **7326**	Pro Super Hub Shark
SPC **7326U**	Upgrade Kit, available for previous *SPC* **7325** Hub-Shark™ owners (case included)
SPC **7373**	**Adapter Kit:** The older version of the Hub-Shark®, before the current model *SPC* **7325**, could not pull hub with trapped or captive rotors. The *SPC* **7373** consist only of larger hub puller and case from the *SPC* **7325** set. This will modify older Hub-Sharks® and enable them to service trapped rotors.

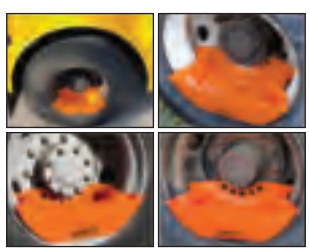


BENDIX ADB22X™ AIR DISC BRAKE KITS

These kits provide specialized tools for the replacement of Bendix® air disc brake tappet and boot assemblies, tappet inner seals, and guide pins and boots.

Item No.	Description
SPC **80000**	ADB22X™ Air Disc Brake Tool Complete Kit (#K029164)
SPC **80001**	Tappet/Boot (#K028829)
SPC **80002**	Guide Pin (#K029107)





PROFESSIONAL SUPER SINGLE AXLE DRAIN PAN

Securely catches oil and grease. Lightweight molded plastic pan locks inside truck and trailer wheels to keep tire and wheel clean when servicing driven or non-driven axles. Fits most steel and aluminum 22.5" and 24.5" 10-hole hub – and stud-piloted tubeless wheels. Allows 2 or 3-hole stud attachment to wheel using finger-tightened lug nuts, will not tip or spill if bumped. 124 oz. capacity with self-draining shelves for hub and axle nut. Drip-proof drainage spouts for easy waste disposal. Flat bottom avoids spillage on workbench or floor. Made In USA.

SPC **30600**



HIGH POWERED BRAKE CLEANER

High Power general purpose cleaner/degreaser designed to remove oil, grease, brake fluid and other contaminants. Leaves no residue and helps eliminate disc brake squeal and chatter.

NOT FOR SALE IN CALIFORNIA.

Item No.	Net Wt.	Cans/Case
MMM **08880**	14 oz.	12



HIGH POWERED BRAKE CLEANER - LOW VOC

High Power cleaner for brake dust, oil, grease, tar and other contaminants from all types of brake assemblies. Leaves no residue. Contains 45% VOC.

Item No.	Net Wt.	Cans/Case
MMM **08180**	14 oz.	12

HIGH POWERED BRAKE CLEANER - LOW VOC - CALIFORNIA



High Power brake cleaner that meets the 20% VOC Rule. Effectively cleans brake dust, oil, grease, tar and other contaminants from all types of brake assemblies while leaving no residue.

Item No.	Net Wt.	Cans/Case
MMM **08179**	14 oz.	12

3M™ COPPER ANTI-SEIZE BRAKE LUBE



A metal to metal lubricant for brakes systems, spark plugs, oxygen sensors, and more. Keeps threaded fasteners from seizing. Withstands high temperatures up to 2000 degrees Fahrenheit intermittently.

Item No.	Net Wt.	Cans/Case
MMM **08945**	8 oz.	6

3M™ SILICONE PASTE



Excellent dielectric lubricant.
Thick paste. Conditions rubber. Contains no solvents.

Item No.	Net Wt.	Cans/Case
MMM **08946**	8 oz.	6

3M™ WHITE GREASE



A heavy-bodied, lithium grease based aerosol lubricant. Provides good performance under high friction loads, rubbing and wiping action. Excellent for general applications on all metal moving parts.

Item No.	Net Wt.	Cans/Case
MMM **08875**	10.5 oz.	12

3M™ SILICONE LUBRICANT PLUS (WET TYPE)

3M™ Silicone Lubricant Plus Wet Type does not contain petroleum oils. It will not stain or become gummy. 3M™ Spray Silicone Lubricant Plus is a high solids, high viscosity lubricant which can be used for lubricating moving parts, eliminating squeaks caused by friction; protecting against rust and corrosion; sealing out moisture; preventing buildup of glues, waxes, inks, paints, etc. preserving plastics, rubber, leather; and prolonging the life of cutting tools.



- High solids version of *MMM* **08897**
- Provides increased lubricating qualities, especially on sliding parts
- High solids content
- Long-lasting
- Facilitates the installation of rubber-set windshields
- Will not freeze at -28°F
- Will not degrade at 350°F
- Seals out moisture

Item No.	Net Wt.	Cans/Case
MMM **08877**	9 oz.	12

3M™ SPRAY LUBE



3M™ Spray Lube is clear, flowable, high-performance, general purpose grease that sprays out as a liquid and then sets up to a uniform coating of grease in a few minutes. Designed to be water resistant and can lubricate a variety of items such as hinges, latches.

Item No.	Net Wt.	Cans/Case
MMM **08878**	11 oz.	12

3M™ SILICONE LUBRICANT (DRY TYPE)



High quality silicone lubricant which eliminates rubber squeaks, prevents sticking and seals out moisture. This product contains no petroleum oils to stain fabrics and will not freeze at -28 degrees F nor degrade at +350 degrees F.

Item No.	Net Wt.	Cans/Case
MMM **08897**	8.5 oz.	12

3M™ MULTI-PURPOSE SPRAY LUBRICANT



Specialized formula for general or all-around use. Provides characteristics of a lubricating oil, a penetrating oil, a demoisturizing coating, a thin bodied, transparent rust preventative coating in aerosol form.

Item No.	Net Wt.	Cans/Case
MMM **08898**	10.5 oz.	12

3M™ COPPER ANTI-SEIZE BRAKE LUBE



A metal to metal lubricant for brakes systems, spark plugs, oxygen sensors, and more. Keeps threaded fasteners from seizing. Withstands high temperatures up to 2000 degrees Fahrenheit intermittently.

Item No.	Net Wt.	Cans/Case
MMM **08945**	8 oz.	6

3M™ SILICONE PASTE



Excellent dielectric lubricant. Thick paste. Conditions rubber. Contains no solvents.

Item No.	Net Wt.	Cans/Case
MMM **08946**	8 oz.	6

METAL WORKING

Abrasives 828-842
Bolt & Screw Extraction 857-863
Bolt Cutters & Snips 869-870
Cutting, Grinding & Surface Prep Wheels 828-842
Cutwelder 804
Drill Bits 843-848
Files 868
Filler Metal 809-813
Hacksaws & Blades 870-871
Heat Tools, Soldering Irons & Torches 823-827
MIG/Flux Cored Welding 797-799
MIG/Stick/TIG Welding 795-796
MIG Welding Accessories 800
OxyFuel Welding 784-791
Plasma Cutting 792-794, 807
Portable Torch Welding 805
Protective Glasses & Goggles 816-817
Punches & Chisels 863-867
Solder & Flux 827-828
Spool Guns 808
Step Drills 848-849
Stick/Arc Welding 800
Stick Welding 800, 805-806
Tap & Die 849-857
TIG/Stick Welding 801-802, 808
TIG Torches & Consumables 803
Welding Accessories 819-823
Welding Apparel 817-819
Welding Gloves 817-818
Welding Helmets & Replacement Parts 814-816
Wire Feed Welding 806-807

Firepower



OXYFUEL 350 HEAVY DUTY OUTFIT

Features

- High performance, complete system that meets or exceeds industry standards
- Superior 350 Series high flow color coded regulators
- Complete handle and cutting attachment optimized for multiple gases
- Up to 6" cutting capacity and 1/2" welding
- Flexible versatile platform
- Includes flashback arrestors
- Fuel gas type: Acetylene.

Applications

The OxyFuel 350 Heavy Duty Outfit contains premium performance components for professional grade use. Optimized for 1" cut and 1/8" weld out of the box. Suitable for medium to heavy duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Contents

Oxygen/Acetylene 350 Series Regulators, 350 Series Cutting Attachment and Handle, Flashback Arrestors, Dual R-Grade Hose 3/16" x 12.5 ft., #1 Cutting Tip, #2 Welding Nozzle, Striker, Protective eyewear and Manual.

Item No.	Description	Fuel Gas Type
FPW **0384-2682**	OxyFuel 350 Heavy Duty Outfit (Box)	Acetylene
FPW **0384-2684**	OxyFuel 350 Heavy Duty Outfit (Clamshell)	Acetylene



OXYFUEL 250 MEDIUM DUTY OUTFIT

Features

- High performance, complete system that meets or exceeds industry standards
- High performance 250 Series color coded regulators
- Complete handle and cutting attachment optimized for multiple gases
- Up to 5" cutting capacity and 1/2" welding
- Flexible versatile platform
- Two year warranty

Applications

The OxyFuel 250 Medium Duty Outfit contains premium performance components for the value driven consumer. Optimized for 1/2" cut and 5/64" weld out of the box. Suitable for light to medium duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Contents

Oxygen/Acetylene 250 Series Regulators, 250 Series Cutting Attachment and Handle, Dual R-Grade Hose 3/16" x 12.5 ft., #0 Cutting Tip, #0 Welding Nozzle, Striker, Protective eyewear and Manual.

FPW **0384-2571** OxyFuel 250 Medium Duty Outfit (Box). Fuel Gas Type: Acetylene.

Item No.	Description	Fuel Gas Type
FPW **0384-2571**	OxyFuel 250 Medium Duty Outfit (Box)	Acetylene
FPW **0384-2572**	OxyFuel 250 Medium Duty Outfit (Clamshell)	Acetylene

OXYFUEL 250 TOTE

Features

- Complete portable system
- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Simple to use rearmount regulator with high contrast gauges
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 3" (76.2mm) steel
- Weld up to 1/4" (6.4mm) Steel
- Constructed with high strength alloys, heavy duty stainless steel and durable brass
- Two year warranty

NOTE: Tanks Are For Exchange Only And Are Empty

Applications

This OxyFuel 250 outfit complete with carry tote and empty tanks is the ideal entry level starter package. Optimized for 1/2" cut and 1/8" weld out of the box. Suitable for light duty fusion welding, braze welding, brazing and hand cutting applications.*

Contents

Oxygen/Acetylene 150 Series Regulators, 250 Series Cutting Attachment and Handle, cylinder wrench with chain, Dual R-Grade Hose 3/16" x 12.5 ft., #0 Cutting Tip, #2 Welding Nozzle, Striker, Protective eyewear, Tote Carry Pak with storage and Manual. (with or without OX-20 cu. ft. Type "R" and AC-MC10 cu. ft. tanks depending on part no.)



Item No.	Description	Fuel Gas Type
FPW **0384-0977**	OxyFuel 250 Outfit, complete with carry tote and empty tanks*	Acetylene
FPW **0384-0978**	OxyFuel 250 Outfit, complete with carry tote, no tanks*	Acetylene

***Not Recommended For Use With Heating Nozzles Due To Tank Size.**

Firepower



OXYFUEL 250 REPLACEMENT TORCH KIT



Features

- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Ergonomic color coded knobs (Acetylene and Oxygen)
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 5" (127mm) steel
- Heat using multiple heat nozzles
- Weld up to 1/2" (12.7mm) steel
- Constructed with high strength alloys and heavy duty stainless steel and durable brass
- Fuel gas type: all
- Two year warranty

***NOTE: For use with fuel gas other than Acetylene, proper tips, regulators or T-grade hoses may be required.**

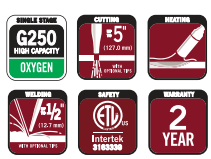
Applications

This OxyFuel 250 replacement torch kit delivers the latest generation of Victor® professional torch and handle design and operating platform.

Contents

250 Series Cutting Attachment and Handle, #0 Cutting Tip, #0 Welding Nozzle, and Manual.

FPW **0384-2573**



OXYFUEL OXYGEN REGULATOR



FPW **0781-9826**

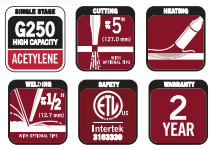
Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (RH)
- 10-150 PSIG
- 540 CGA
- Two year warranty

Applications

The OxyFuel 250 and 350 Oxygen regulators are suitable for a wide range of cutting, heating and welding applications using Oxygen gas only.

Item No.	Description	Gas Type
FPW **0781-9826**	OxyFuel 250 Oxygen Regulator	Oxygen
FPW **0781-9829**	OxyFuel 350 Oxygen Regulator	Oxygen



OXYFUEL ACETYLENE REGULATOR



FPW **0781-9827**

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (LH)
- 510 CGA
- 2-15 PSIG
- Two year warranty

Applications

The OxyFuel 250 and 350 Acetylene regulators are suitable for a wide range of cutting, heating and welding applications using Acetylene fuel gas only.*

Item No.	Description	Gas Type
FPW **0781-9827**	OxyFuel 250 Acetylene Regulator	Acetylene
FPW **0781-9830**	OxyFuel 350 Acetylene Regulator	Acetylene

**** Other Fuels Gas Regulators available @ VictorEquip.com***



ARGON/CO2 MIXES FLOWGAUGE REGULATOR 580 CGA



Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Clear color coding for the correct gas usage
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (RH)
- Gas type: Argon/CO2.
- 10-150 PSIG
- Two year warranty

Applications

The Argon/CO2 Flowgauge Regulator is suitable for MIG and TIG welding applications using Argon and Argon/CO2 gas mixtures.

FPW **0781-9832**

Firepower

OXYFUEL 150 TOTE REGULATORS



FPW **0781-4238**

Features

- High performance single stage regulator with precise pressure and flow control
- Large clear gauges enable both inlet and delivery pressures to be read at a glance
- Forged brass body and high strength alloy bonnet
- Meets or exceeds industry standards
- 9/16" -18 outlet connection (LH)
- Standard CGA, rear mount gas connections for Oxygen tote kits
- Two year warranty

Applications

The Oxyfuel 150 Tote Regulators are suitable for a wide range of cutting, heating, and welding applications.

Item No.	Description	Gas Type
FPW **0781-4238**	OxyFuel 150 Tote Acetylene Regulator, 200 CGA, 2-15 PSIG	Acetylene
FPW **0781-4239**	OxyFuel 150 Tote Oxygen Regulator, 540 CGA, 4-60 PSIG	Oxygen

OXYFUEL CUTTING ATTACHMENTS



FPW **0381-0759**

Features

- Meets or exceeds Industry Standards
- Attaches quickly and easily to OxyFuel handle (no tools required), 7/8" thread
- Cutting oxygen lever securely fitted to the body for ease of operation
- High strength triple stainless steel tube construction with good cutting visibility
- Multi gas operation: Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Cutting capacity up to 6" (350), up to 5" (250)
- Two year warranty

Applications

Suitable for the following processes: hand cutting.

Item No.	Description	Fuel Gas Type
FPW **0381-0759**	OxyFuel 250 Cutting Attachment	All
FPW **0381-0760**	OxyFuel 350 Cutting Attachment	All

OXYFUEL TANKS & TOTES



FPW **0916-0033**

Features	Type "MC" Acetylene Cylinder	Type "R" Oxygen Cylinder,
Capacity	10 cu. ft.	20 cu. ft.
Connection	CGA 200	CGA 540
Certified	ISO, DOT, TC	ISO, DOT, TC

Applications

Tote and small tanks designed for smaller cutting and welding jobs allowing easy transport with this highly portable system

Part No.	Description	Fuel Gas Type
FPW **0916-0033**	OX-20 Type "R" Oxygen Cylinder,	Oxygen
FPW **0916-0032**	AC-MC Type "MC" Acetylene Cylinder, 10 cu. ft. Capacity*	Acetylene

OXYFUEL 250-350 CUTTING/WELDING HANDLE



Features

- Meets or exceeds Industry Standards
- High strength durable brass and alloy handle, "W" nozzle connection 7/8" thread
- High precision valves for sensitive control for delicate welding jobs
- Easy light up for high flow heating applications
- Multi gas operation: Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Left and right hand threads prevent incorrect hose connection, 1/4" thread
- Color coded control knobs for maximum safety and ease of use, even when wearing gloves
- Fuel gas type: all
- Two year warranty

NOTE: For use with Fuel Gas other than Acetylene. Proper Tips, Regulators or T-Grade Hoses may be required.

Applications

The OxyFuel Cutting and Welding Handle connects to Oxyfuel Cutting attachments and a complete line of Heating and Welding nozzles. Suitable for the following processes: Fusion welding, braze welding, brazing, soldering, heating, hand cutting.

FPW **0382-0358**

OXYFUEL 350 ST900 OXYFUEL STRAIGHT CUTTING TORCH



Features

- Cutting torch and handle are ready for multiple gas options; Oxy-Acetylene, Propane, Butane, Natural & LP Gases and Propylene
- Labeled knobs (Acetylene and Oxygen)
- Meets or exceeds industry safety standards
- Cut 1/8" (3.2mm) to 6" (152.4mm) steel
- Constructed with high strength alloys, heavy duty stainless steel and durable brass
- Includes built-in patented flash back arrestors
- Fuel gas type: all
- Two year warranty

Applications

Suitable for the following processes: hand cutting.

FPW **0381-0751**

100FC TORCH HANDLE (BOXED)



Features

This medium duty torch handle is includes VanGuard safety features Built-in flashback arrestors - no need for accessory flash arrestors Built-in reverse flow check valves - no need for accessory check valves Works with all fuel gases (pressure restrictions for different gases)

Hose Connection: ..... 9/16" – 18
Weight: ..... 14 oz
Length: ..... 8 1/2"

Applications

The OxyFuel Cutting and Welding Handle connects to Victor Oxyfuel Cutting attachments and a complete line of Victor Heating and Welding nozzles. Suitable for the following processes: Fusion welding, braze welding, brazing, soldering,heating, hand cutting.

FPW **0382-0032**

OXYFUEL HOSES



FPW **1412-0021**

Features

- Premium quality hose that meets or exceeds the requirements of RMA and CGA
- Secure, specifically designed hose fittings ensure operator safety
- Color coded for easy identification
- Precut to length with fitted connections
- 12.5 ft., 25 ft. and 50 ft. lengths in 3/16" and 1/4" thread connector
- R-Grade hose recommended for use with Acetylene

Key Information

It is important to use the correct type of hose for the required gas(es) to be used. Any non-standard application should always be checked and approved before being put into operation. Pressure drops will occur through hoses and hose fittings, therefore allowances must be made to compensate for this when setting up equipment and adjusting regulators. Color coding of hoses and different threads for fuel and Oxygen prevents incorrect connections of hoses to the wrong gas type. Dual hoses help to keep the work area tidy, which reduces the risk of hose damage.
OxyFuel hoses are Grade "R" recommended for Oxygen and Acetylene, available in pre fitted lengths from 12.5 ft. to 50 ft. Compatible with all the OxyFuel range and suitable for light to heavy duty fusion welding, braze welding, brazing, heating and hand cutting applications.

Part No.	Description	Fuel Gas Type
FPW **1412-0012**	3/16" x 12.5 ft. Dual R-Grade	Acetylene
FPW **1412-0020**	3/16" x 25 ft. Dual R-Grade	Acetylene
FPW **1412-0021**	1/4" x 25 ft. Dual R-Grade	Acetylene
FPW **1412-0022**	1/4" x 50 ft. Dual R-Grade	Acetylene



FPW **0656-0008**



FPW **0656-0000**



FPW **0656-0016**

OXYFUEL FLASHBACK ARRESTORS

Features

- Provide ultimate protection against "Flashback" and premature failure of system components
- High flow capacity
- Non-return valve
- Large cylindrical stainless steel flame arrestor

Applications

Designed for connection to the inlet of the torch handle and used for all cutting, heating and welding applications.

Part No.	Description	Fuel Gas Type
FPW **0656-0008**	OxyFuel 250-350 FBT-2 Torch Flashback arrestors set with check valves	All
FPW **0656-0000**	KC-1 Kwik Connect™ Pair Pak (Oxygen and Fuel)	All
FPW **0656-0016**	OxyFuel 250-350 FPRA Regulator Flash-back arrestor set with check valves	All

OXYFUEL CUTTING TIPS

Features

- Longer Nozzle life – high grade copper and advanced manufacturing techniques give the Firepower OxyFuel superior cutting life.
- Better quality cutting – the mirror smooth finish of the gas ports assures stable gas flow and superior cutting oxygen stream. Cuts are clean and smooth with the narrowest kerf.
- Less slag adhesion – copper content conducts heat away from the nozzle face. The nozzle keeps cooler and slag adherence to the nozzle face is reduced.
- Consistent manufacture batch testing ensures OxyFuel nozzles will consistently deliver the highest quality performance

Acetylene



Type101

Natural Gas



Type GPN

Applications

Used for cutting steel 1/8" to 6" thick.

Tip Size	Plate Thickness	Oxyfuel 250 Series 3 - Item No.	Oxyfuel 350 Series 1 - Item No.	Fuel Gas Flow (SCFH)	Fuel Gas Pressure (PSIG)	Oxygen Flow (Total SCFH)	Cutting Oxygen Pressure (PSIG)
Acetylene Type Cutting Tips (Type 101)							
00	1/4" - 6mm	*FPW* **6700-2439**	*FPW* **6700-2409**	4/6	3/5	30/35	20/2
0	1/2" - 13mm	*FPW* **6700-2440**	*FPW* **6700-2410**	6/10	3/5	60/65	30/35
1	3/4" - 19mm	*FPW* **6700-2441**	*FPW* **6700-2411**	8/13	3/5	80/85	30/35
2	1" - 25mm	*FPW* **6700-2442**	*FPW* **6700-2412**	10/16	3/6	140/150	35/40
3	2" - 51mm	*FPW* **6700-2443**	*FPW* **6700-2413**	14/22	4/9	210/225	40/45
4	3" - 76mm	*FPW* **6700-2444**	*FPW* **6700-2414**	18/30	5/10	270/320	40/50
5	5" - 127mm	—	*FPW* **6700-2415**	26/38	5/13	425/450	50/55
Natural Gas Type Cutting Tips (Type Gpn)							
00	1/4" - 6mm	*FPW* **6700-2499**	—	5/7	3/5	22/26	20/25
0	1/2" - 13mm	—	*FPW* **6700-2470**	8/10	3/5	50/55	30/35
1	3/4" - 19mm	*FPW* **6700-2501**	*FPW* **6700-2471**	10/12	4/6	70/80	30/35
2	1" - 25mm	*FPW* **6700-2502**	*FPW* **6700-2472**	12/15	4/8	115/125	35/40
3	2" - 51mm	*FPW* **6700-2503**	*FPW* **6700-2473**	14/18	5/9	150/175	40/45

OXYFUEL HEATING NOZZLES

Features

- Concentrated high temperature flame
- Wide range for different applications
- Connects directly to the OxyFuel torch handle platform*

Applications

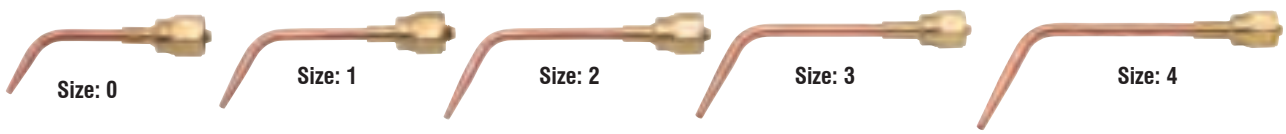
Used for concentrated heating of steel and other materials.



NOTE:
1. **"W" Nozzles Fits 7/8" Thread OxyFuel 250-350 Handle**
2. **"W-1" 5/8" Thread OxyFuel 150 Nozzle Also Available**

Item No.	Description	Fuel Gas Type	Size	Oxygen Pressure (PSIG)	Acetylene Pressure (PSIG)	Oxygen Consumption (SCFH)	Acetylene Consumption (SCFH)
FPW **0323-0270**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	4	8/12	6/10	7/22	6/20
FPW **0324-0143**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	4	8/12	6/10	7/22	6/20
FPW **0323-0271**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	6	10/15	8/12	15/44	14/40
FPW **0324-0146**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	6	10/15	8/12	15/44	14/40
FPW **0323-0272**	250-350 Series Multi-flame Nozzle (Clamshell)	Acetylene	8	20/30	10/15	33/88	30/80
FPW **0324-0112**	150 Series Multi-flame Nozzle (Clamshell)	Acetylene	8	20/30	10/15	33/88	30/80

**** Heating Nozzles Are Not Recommended For Use With Tote Outfits, and** FPW **0916-0032 and** FPW **0916-0033 Tanks.***



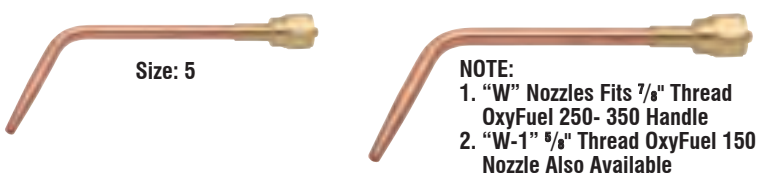
OXYFUEL WELDING NOZZLES

Features

- Concentrated high temperature flame
- Wide range for different applications
- Connects directly to the OxyFuel torch handle platform

Applications

Used for fusion welding, braze welding, brazing, and soldering of thin steel and other weldable materials



NOTE:
1. **"W" Nozzles Fits 7/8" Thread OxyFuel 250- 350 Handle**
2. **"W-1" 5/8" Thread OxyFuel 150 Nozzle Also Available**

Item No.	Description	Fuel Gas Type	Metal Inches	Thickness Mm	Drill Size	Oxygen (PSIG)	Acetylene (PSIG)	Acetylene (SCFH)
FPW **0323-0360**	#0 Acetylene Welding Nozzle	Acetylene	5/64"	1.9	65 (0.035)	3/5	3/5	2/4
FPW **0324-0150**	#0 Acetylene 150 Welding Nozzle	Acetylene	5/64"	1.9	65 (0.035)	3/5	3/5	2/4
FPW **0323-0361**	#1 Acetylene Welding Nozzle	Acetylene	3/32"	2.4	60 (0.040)	3/5	3/5	3/6
FPW **0324-0151**	#1 Acetylene 150 Welding Nozzle	Acetylene	3/32"	2.4	60 (0.040)	3/5	3/5	3/6
FPW **0323-0362**	#2 Acetylene Welding Nozzle	Acetylene	1/8"	3.2	56 (0.046)	3/5	3/5	5/10
FPW **0324-0152**	#2 Acetylene 150 Welding Nozzle	Acetylene	1/8"	3.2	56 (0.046)	3/5	3/5	5/10
FPW **0323-0363**	#3 Acetylene Welding Nozzle	Acetylene	1/16"	4.8	53 (0.060)	4/7	3/6	8/18
FPW **0324-0153**	#3 Acetylene 150 Welding Nozzle	Acetylene	1/16"	4.8	53 (0.060)	4/7	3/6	8/18
FPW **0323-0364**	#4 Acetylene Welding Nozzle	Acetylene	1/4"	6.4	49 (0.073)	5/10	4/7	10/25
FPW **0324-0154**	#4 Acetylene 150 Welding Nozzle	Acetylene	1/4"	6.4	49 (0.073)	5/10	4/7	10/25
FPW **0323-0365**	#5 Acetylene Welding Nozzle	Acetylene	1/2"	12.7	43 (0.089)	6/12	5/8	15/35
FPW **0324-0155**	#5 Acetylene 150 Welding Nozzle	Acetylene	1/2"	12.7	43 (0.089)	6/12	5/8	15/35

SMITH CUTTING TIPS

Item No.	Description
FPW **6700C2191**	CSSC121
FPW **6700C2192**	CSSC122
FPW **6700C2161**	CSMC121
FPW **6700C2162**	CSMC122
FPW **6700C2163**	CSMC123

FPW **6700C2191**



MISCELLANEOUS CUTTING TIPS

FPW **0387-1228** Purox #3





Firepower

REPLACEMENT GAUGES

FPW **1424-0147**

Item No.	Description	Max PSI	Thread Size
1.5" Gauges			
FPW **1424-0147**	Acetylene Only	30	1/8" NPT
FPW **1424-0148**	All Gases	100	1/8" NPT
FPW **1424-0149**	All Gases	400	1/8" NPT
FPW **1424-0150**	All Gases	4000	1/8" NPT
150 Series 1.625"			
FPW **1424-0405**	Acetylene Only	30	1/8" NPT
FPW **1424-0406**	All Gases	100	1/8" NPT
FPW **1424-0407**	All Gases	400	1/8" NPT
FPW **1424-0408**	All Gases	4000	1/8" NPT
FPW **1424-0409**	SCFH Argon C02, All Gases	30	1/8" NPT
250 Series 2"			
FPW **1424-0013**	Acetylene Only	30	1/4" NPT
FPW **1424-0014**	All Gases	60	1/4" NPT
FPW **1424-0015**	All Gases	100	1/4" NPT
FPW **1424-0017**	All Gases	400	1/4" NPT
FPW **1424-0019**	All Gases	4000	1/4" NPT
350 Series 2.5"			
FPW **1424-0290**	Acetylene Only	30	1/4" NPT
FPW **1424-0292**	All Gases	200	1/4" NPT
FPW **1424-0293**	All Gases	400	1/4" NPT
FPW **1424-0294**	All Gases	4000	1/4" NPT



TURBOTORCH

DELUXE PORTABLE TORCH KIT

FPW **0386-1397**

NAPA WELDING

TANK/CYLINDER HAND TRUCK

Only 17" wide, this tandem truck handles easily in narrow aisles and crowded workshops. Designed for medium (122 cu. ft.) tanks. Truck is made of tubular steel framework with 10" tires.

WLD **777-1421**



NAPA WELDING

HEAVY-DUTY TANK/CYLINDER CART

Rugged all steel hand truck accommodates large 200 cu. ft. tank. Its large steel wheels make moving on all surfaces easy.

WLD **777-1422**



NAPA WELDING

TANK/CYLINDER HAND TRUCK

Standard truck is lightweight, easy-to-handle and designed for small and medium (122 cu. ft.) tanks. Truck has an all-steel construction with tubular framework.

WLD **777-1423**



NAPA WELDING

UNIVERSAL TANK WRENCH

Wrench fits most sizes of tank adapters.

WLD **777-1494**



NAPA WELDING

T-HANDLE TANK WRENCH

WLD **777-1691** 3/8"
WLD **777-1692** 1/4"



TURBOTORCH

MAP//PRO™ FUEL TANK

Features

- Contains 14.1 oz. propane
- 600 CGA
- Fuel gas type: MAP//Pro

Applications

Replacement tank for use with all Firepower hand torches

FPW **0916-0122**



TURBOTORCH

TURBOTORCH® PROPANE

- Propane replacement tank for use with all TurboTorch® hand torches. Also for use with TurboTorch® #TT-LP Leak Detector.
- Contains 14.1 oz. propane.
- CGA 600 Connection
- Non-Refillable

FPW **0916-0004**



TURBOTORCH

TURBOTORCH® OXYGEN
FPW **0916-0330**



TURBOTORCH

TURBOTORCH® PROPANE TORCH KIT
PK-10 Kit includes pencil torch and 14.1 oz propane tank, solid brass construction provides lasting durability and flame control valve allows precise heat adjustment for every application.
FPW **0386-0861**



TURBOTORCH

TX-504 EXTREME™ SELF-LIGHTING TORCH
- Extreme Swirl Technology
- Faster brazing times and less gas consumption
- Generates more heat than other hand torches
- Higher heat levels, in a short amount of time, enable the pros to quickly complete the job.

FPW **0386-1293**



TURBOTORCH

TX-503 EXTREME™ SELF-LIGHTING TORCH
- Extreme Swirl Technology
- Faster brazing times and less gas consumption
- Generates more heat than other hand torches
- Higher heat levels, in a short amount of time, enables the pros to quickly complete the job

FPW **0386-1297**



TURBOTORCH® PENCIL FLAME PROPANE TORCH
- Flame tube swivels 360° for work at any angle
- Push Trigger Ignition
- Rugged Brass Regulator

FPW **0386-0860**



TURBOTORCH

TURBOTORCH® EXTREME™ STK-99 HAND TORCH
- 360° Swivel tips
- Easy to clean orifice screws

FPW **0386-0851**



TURBOTORCH

TURBOSKILL® SK7000 SELF-LIGHTING TORCH
- Self-lighting
- Preset flame
- 180° swivel tip
- Safety trigger lock
- Operates on any standard Mapp and propane 1 lb. tanks
- U.L. listed
- CGA 600 connection
- One year warranty

FPW **0426-4001**



Firepower

AIRFUEL VERS-A-FLAME TORCH KIT

Features
- Durable Brass Control Knob
- Tough 10' Hose
- Meets or exceeds Industry Safety Standards
- For use with L.P. Tanks 20 lbs. or Larger
- Fuel gas type: Propane
- Two year warranty

Applications
The Vers-A-Flame is suitable for a wide range of uses. Auto/Farm and Home use: Burns weeds, removes paint and melts ice. Construction uses: Preheat asphalt and tar, remove road markings and reheat large castings for welding.
FPW **0384-1260**



Firepower

REVERSE FLOW CHECK VALVES
Prevent gases from backing up and mixing in the regulators, a dangerous condition that can cause fire or explosion. Not required with Firepower® Torch handles. Firepower® Torch handles feature patented built-in reverse flow check valves. 1/4" 20 NPT.
FPW **0387-1230**



TURBOTORCH

PL-812 PROLINE TORCH SHIELD
FPW **0386-0561**



MARQUETTE BY LINCOLN ELECTRIC

DOUBLE LINE HOSE
For Oxygen and Acetylene.
Eliminates kinking and tangling.
Tightly braided rayon lines for strength, neoprene base cover for oil and flame resistance. Hose with connections to fit all makes of torches and regulators.
LNW **KH578**



Legacy

OXY-ACETYLENE HOSE REEL
Specifications
Hose Length: .....50 ft.
Hose Size (I.D.):.....1/4"
Hose Type:.....Rubber
Working Pressure:..... 200 psi
Inlet Size:..... 9/16" UNF
Hose Outlet:.....9/16" UNF (Female)
10' Lead-In Hose
BK **821-1369**



NAPA WELDING

BRASS HOSE FERRULES
Quantity: 1.
WLD **777-1414** 1/4" Hose I.D.
WLD **777-1415** 3/16" Hose I.D.



NAPA WELDING

HOSE CRIMPING TOOL
Heavy-duty crimping tool is used in the installation of brass hose ferrules.
WLD **777-1496**



NAPA WELDING

HOSE ADAPTERS
Use adapters to connect a torch with 3/16" to 1/4" hoses. Quantity: 1.
WLD **777-1406** Oxygen Hose Type
WLD **777-1407** Acetylene Hose Type



NAPA WELDING



WLD **777-1707** *WLD* **777-1708** *WLD* **777-1709** *WLD* **777-1710** *WLD* **777-1711**

TANK ADAPTERS

Item No.	Description
WLD **777-1707**	Adapts CGA520 to CGA510: For B Tanks
WLD **777-1708**	Adapts CGA200 to CGA510: For MC Tanks
WLD **777-1709**	Adapts CGA510 to CGA520: For B Tanks
WLD **777-1710**	Adapts CGA580 to CGA320
WLD **777-1711**	Adapts CGA510 to CGA300

SIZE B – BARBED HOSE NIPPLES
Fits most Oxy-Acetylene twin hose and "B" fittings. Quantity: 1.
WLD **777-1497** 3/16" Hose I.D.
WLD **777-1498** 1/4" Hose I.D.

NAPA WELDING



HOSE NUTS FOR SIZE B
Fits "B" sized nipples. Quantity: 1.
WLD **777-1499** Oxygen Hose Type
WLD **777-1500** Acetylene Hose Type

NAPA WELDING



OUTPUT CONNECTIONS
Quantity: 1.

NAPA WELDING

Item No.	Description
WLD **777-1408**	Acetylene (L.H.), 1/4" NPT x 9/16"
WLD **777-1409**	Oxygen (R.H.), 1/4" NPT x 9/16"
WLD **777-1404**	Oxygen 1/4" to 1/4"
WLD **777-1405**	Acetylene 1/4" to 1/4"



WLD **777-1408**



WLD **777-1404**

BARBED HOSE SPLICERS
Splices two twin hoses for added length. Use *WLD* **777-1414** or *WLD* **777-1415** ferrules to secure hose. Quantity: 1.
WLD **777-1410** 1/4" I.D. Hose
WLD **777-1411** 3/16" I.D. Hose

NAPA WELDING



HOSE CONNECTORS
Quantity: 1.

NAPA WELDING



Item No.	Hose Size	Hose Type	Connection Size
WLD **777-1400**	1/4" I.D.	Oxygen	1/4"
WLD **777-1401**	1/4" I.D.	Acetylene	1/4"
WLD **777-1402**	3/16" I.D.	Oxygen	1/4"
WLD **777-1403**	3/16" I.D.	Acetylene	1/4"

HOSE CLAMPS
Quantity: 1.
WLD **777-1412** 1/4"
WLD **777-1413** 3/16"

NAPA WELDING



Firepower

VICTOR THERMAL DYNAMICS AIRCUT™ 15C PLASMA CUTTING MACHINE



Features

- Comes standard with a built-in air compressor.
- Weighs only 29 lbs (13.2 kg), almost 50% lighter than the competition.
- 1/8" (3mm) Recommended Cut, 3/16" (5mm) maximum capability.
- 120V, 15 Amp plug standard. Plug it in anywhere!
- 25% more cutting power provides 25% faster cut speeds than the competition

Specifications

Cut Capacity: ..... 1/8" (3mm) Recommended Cut
Output Current: ..... 15 Amps Fixed
Input Power: ..... 120V (± 10%), Single Phase, 60 Hz, 12 Amps
Duty Cycle ..... 35% @ 15A

Dimensions

Length: ..... 18" (457mm)
Width: ..... 6.5" (165mm)
Height: ..... 9.5" (241mm)
Weight: ..... 29 lbs (13.2 kg)
Ship Weight: ..... 38 lbs (17.2 kg) (includes Unit, Power Cable, Torch and Leads)
Work Cable: ..... 19.5 ft (5.9 m)
Input Cable: ..... 8.5 ft. (2.6 m)
Gas Type: ..... Air from Built-In Air Compressor
Pilot: ..... CD Start
Control: ..... Hand Torch Switch
Torch: PCH-10
Torch Configuration ..... Hand 70°, 20' (6.1 m) Leads

FPW **1-1110-1**

**** Available in USA only***



VICTOR THERMAL DYNAMICS CUTMASTER® 42 PLASMA CUTTING MACHINE

The TRUE™ Series Cutmaster 42 is one of the most affordable, highest quality 1/4" (6mm) plasma systems on the market. As part of the TRUE Series, you can rely on the Cutmaster 42 to cut all day at its recommended cutting capacity and to pack more punch when you need it. The Cutmaster 42 incorporates Vent2Shield™ technology allowing the use of a considerably smaller compressor (less weight to carry, can be used with 120V) compared to similar 40A units.



Features

- Weighs only 26 lbs (11.8 kg)
- 1/4" (6mm) Recommended Cut, 7/8" (12mm) Max Cut
- 230V Plug with two adapters: 120V 15Amp and 120V 20Amp

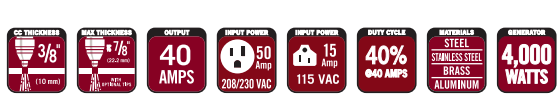
Applications

Auto body/marine repair, plumbing & HVAC, home shop, metal building & roofing construction and rental fleets.

Specifications

Max Amperage Output ..... 27A @ 120V, 40A @ 230V
Output Power ..... 3.8 kW
Recommended Cut ..... 1/4" (6mm)
Max Cut ..... 7/8" (12mm)
Pierce Rating ..... 1/4" (6mm)
Input Voltage (Volts, Phase, Hz) ..... 120-230V, 1 Phase, 50/60 Hz
Duty Cycle (@40°C) ..... 40% @ 40A @ 230V
Amperage Draw ..... 29A @ 120V, 15A @ 230V
Dimensions (H x W x L) .... 9" x 7" x 18.5" (228mm x 117mm x 470mm)
Weight ..... 26 lbs (11.8 kg)
Torch Model ..... SL40™
Air Pressure ..... 75 psi (5.2 bar)
Flow ..... 3.2 cfm (91 l/m)
Warranty (Unit/Torch) Parts and Labor 4/1
Approvals ..... CSA, ETL

FPW **1-4200**



Firepower

VICTOR THERMAL DYNAMICS CUTMASTER® 52 PLASMA CUTTING MACHINE

The Cutmaster 52 is the most powerful and lightest weight 1/2" (12mm) machine on the market today. The Cutmaster TRUE™ Series are the only systems that offer the precision of the TRUE Cut Drag Tip Series. The 60 Amp tip allows the system to drag cut up to 1/4" (6mm) with ease. Giving the absolute best cut quality possible. This unit cuts through mild, stainless, or aluminum up to 1.125" (30mm) thick. The Cutmaster 52 combines power with the well known perform

Specifications

Max Amperage Output..... 60A
Output Power.....6.2 kW
Recommended Cut .....1/2" (12mm)
Max Cut .....1 1/8" (30mm)
Pierce Rating .....1/2" (12mm)
Input Voltage (Volts, Phase, Hz).....208/230V - 460V, 1/3 ph 50/60 Hz, 400V 3 ph 50 Hz, 600V 3 ph 50/60 Hz
Duty Cycle (@40°C).....40%@ 60A, 60%@ 55A, 100%@ 50A
Amperage Draw .....45 (230V, 1 ph), 24 (230V, 3 ph), 16 (460V, 3 ph)
Dimensions (H x W x L) ... 15" x 12" x 24" (381mm x 305mm x 610mm)
Weight ..... 43 lbs (19.5 kg)
Torch Model..... SL60 Hand, SL100 Mechanized
Air Pressure .....75 psi (5.2 bar)
Flow ..... 6.7 cfm (190 l/m)
Warranty (Unit/Torch) Parts and Labor.....4/1
Approvals ..... CSA, ETL

FPW **1-5130-1**





VICTOR THERMAL DYNAMICS CUTMASTER® 82 PLASMA CUTTING MACHINE

The Cutmaster 82 weighs in at a mere 43 lbs (19.5 kg) almost 50% less than its leading competitor, while still offering superior cutting power. Don't let the size of this unit fool you, it's more than capable of cutting 3/4" (20mm) with a maximum capability of 1½" (40mm). This unit, like all other TRUE™ Cutmasters, is equipped with the 1Torch®.

Applications

Heavy fabrication, manufacturing and contractors

Machine Specifications

Max Amperage Output..... 80A
Output Power.....9 kW
Recommended Cut .....3/4" (20mm)
Max Cut .....1 1/2" (40mm)
Pierce Rating .....5/8" (15mm)
Input Voltage - (Volts, Phase, Hz) ..... 208/230V - 460V, 1/3 ph 50/60 Hz, ...400V 3 ph 50 Hz, 600V 3 ph 50/60 Hz
Duty Cycle (@40°C).....40%@ 80A, 60%@ 65A, 100%@ 55A
Amperage Draw .....72 (230V, 1 ph), 39 (230V, 3 ph), 21 (460V, 3 ph)
Dimensions (H x W x L) ... 15" x 12" x 24" (381mm x 305mm x 610mm)
Weight ..... 43 lbs (19.5 kg)
Torch Model.....SL60 Hand, SL100 Mech & Auto
Air Pressure .....70 psi (4.8 bar)
Flow ..... 6.7 cfm (190 bar)
Warranty (Unit/Torch) Parts and Labor.....4/1
Approvals ..... CSA, ETL

FPW **1-1130-1**







CUTMASTER® 42 / 52 / 82 PLASMA ACCESSORIES CONSUMABLES

Current Range	Mode Of Operation	Amps	Electrode	Start Cartridge	Tip	Shield Cup
SL40™ Consumables (for use with Cutmaster® 42)						
10-40 Amps	Standoff Cutting	40A	*FPW* **9-0096**	*FPW* **9-0097**	*FPW* **9-0094**	*FPW* **9-0098**
10-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-0096**	*FPW* **9-0097**	—	*FPW* **9-0098**
10-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-0096**	*FPW* **9-0097**	*FPW* **9-0093**	*FPW* **9-0098**
SL60® and SL100® Consumables						
20-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	30A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8206**	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8207**	*FPW* **9-8218**
20-40 Amps	Drag Tip / Cutting	20A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
20-40 Amps	Drag Tip / Cutting	30A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8206**	—
20-40 Amps	Drag Tip / Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8207**	—
20-40 Amps	Standoff Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
20-40 Amps	Standoff Cutting	40A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
20-40 Amps	Gouging	Tip A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Drag Tip / Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
50-60 Amps	Standoff Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Standoff Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Drag Shield Cutting	50-55A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Drag Shield Cutting	60A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Gouging	Tip B	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Gouging	Tip C	*FPW* **9-8215**	*FPW* **9-8213**	—	—
50-60 Amps	Gouging	Tip D	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Standoff Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	*FPW* **9-8218**
70-100 Amps	Standoff Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	—
70-100 Amps	Standoff Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	—
70-100 Amps	Standoff Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Drag Shield Cutting	70A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8231**	—
70-100 Amps	Drag Shield Cutting	80A	*FPW* **9-8215**	*FPW* **9-8213**	*FPW* **9-8211**	—
70-100 Amps	Drag Shield Cutting	90-100A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip B	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip C	*FPW* **9-8215**	*FPW* **9-8213**	—	—
70-100 Amps	Gouging	Tip D	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Standoff Cutting	120A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Drag Shield Cutting	120A	*FPW* **9-8215**	*FPW* **9-8213**	—	—
120 Amps	Gouging	Tip E	*FPW* **9-8215**	*FPW* **9-8213**	—	—

CUTSKILL® TORCH PARTS AND ACCESSORIES

Item No.	Descriptions
Cutskill® C-20A Plasma Torch Parts	
FPW **9-8218**	Torch Shield Cup
FPW **9-8206**	Torch Tip (pkg. of 5)
Cutskill® C-35A Torch Parts	
FPW **9-8218**	Torch Shield Cup
FPW **9-8207**	Torch Tip - 40A (pkg. of 5)
FPW **9-8213**	Torch Start Cartridge
FPW **9-8215**	Torch Electrode (pkg. of 5)

Item No.	Descriptions
Cutskill® C-70A Parts And Accessories	
FPW **9-8218**	Torch Shield Cup
FPW **9-8231**	Torch Tip - 70A (pkg. of 5)
FPW **9-8213**	Torch Start Cartridge
FPW **9-8215**	Torch Electrode (pkg. of 5)
FPW **9-8281**	Torch Standoff Guide Accessory


FPW **9-8213**


FPW **9-8215**


FPW **9-8218**


FPW **9-8206**

The Firepower MST 140i and MST 180i 3-in-1 machines come complete with all the necessary MIG & Stick components which gives even a beginner the capability to weld immediately, right out of the box. Both machines feature MIG, Stick, and TIG processes in a unit that weighs 33 pounds. Farms/Ranches, auto-applications or on-site repair work are just some of the many things that both machines can do. The MST's both come with a Quick Start guide that walks you through the machine set-up in four simple steps. The MST 140i uses the 115 VAC, which allows you to weld virtually anywhere. The MST 180i comes with more power, using 208/230V and a maximum output of 180 Amps. The MST 180i is Spool Gun capable for Aluminum MIG welding. With the MST 140i and MST 180i you can be welding like a pro in no time.

MST 140I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 140i Power Supply, Firepower 140 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls and Contact Tips, 15-20 Amps Power Adapter, Shoulder Strap, and CD with Multi-Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site Repair - Does not work with Spool Gun

Specifications

Maximum Output.....140 Amp
MIG (GMAW/FCAW)
Welding Output @104°F (40°C) .....140A / 19V @ 15% Duty Cycle
.....90A / 18.5V @ 20% Duty Cycle
STICK (SMAW)
Welding Output @104°F (40°C) .....90A / 23V @ 15% Duty Cycle
.....80A / 23.2V @ 35% Duty Cycle
TIG (GTAW)
Welding Output @104°F (40°C) .....140A / 15.6V @ 15% Duty Cycle
.....100A / 14V @ 20% Duty Cycle
Current Range.....10 – 140 Amp
MIG Welding Voltage Range.....14.5 – 19 Volt
Wirefeed Speed Range ..... 90 – 390 IPM (2.3 – 9.9m/min)
Nominal OCV Volt/DC .....53 Volt
Maximum Plate Thickness.....1/8" (3.2mm)*

FPW **1444-0870**



MST 180I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 180i Power Supply, Firepower 180 MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 2 Drive Rolls & Contact Tips, Standard 230V Plug, Shoulder Strap, and CD with Multi-Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair

Specifications

Maximum Output.....180 Amp
MIG (GMAW/FCAW)
Welding Output @104°F (40°C) .....180A / 23V @ 20% Duty Cycle
145A / 22.5V @ 30% Duty Cycle
STICK (SMAW)
Welding Output @104°F (40°C) .....175A / 27V @ 20% Duty Cycle
140A / 25.6V @ 30% Duty Cycle
TIG (GTAW)
Welding Output @104°F (40°C) .....175A / 17V @ 25% Duty Cycle
160A / 16.4V @ 30% Duty Cycle
Current Range.....10 – 180 Amp
MIG Welding Voltage Range.....14.5 – 26 Volt
Wirefeed Speed Range ..... 100 – 650 IPM (2.5 – 16.5 m/min)
Nominal OCV Volt/DC .....62 Volt
Maximum Plate Thickness.....1/4" (6.4mm)

FPW **1444-0871**



The Firepower MST 220i has it all. It's the only machine in the 3-in-1 line that offers 115 and 208/230V, and provides MIG, Stick and TIG welding outputs for use anywhere. Portable enough to take to the job site, yet with 210 Amps maximum output, it has the power to meet your large job demands. This welding system is perfect for automotive repair and customization, mechanical contractors, farms/ranches, maintenance and repair, and garage and job shops. The MST 220i allows you to choose the best process for your applications. The MIG process provides maximum productivity in the shop, while the Stick process works ideally outdoors, and TIG is for those welding applications that require more precise control. The MST 220i is also Spool Gun capable for Aluminum MIG welding. There is no other machine like the MST 220i, it's a "must have" powerhouse!

MST 220I MULTI-PROCESS WELDING SYSTEM

Includes

Firepower MST 220i Power Supply, Firepower 220 Amp MIG Gun, Firepower Flow Meter Regulator / Gauge & Hose, Electrode Holder & Ground Clamp, 230V-115V Adapter Plug & Cable, 2 Drive Rolls & Contact Tips, Spring used for small 2lb rolls, and CD with Multi- Language Operating Instructions

Applications

Farms/Ranches, Auto Applications, On-Site and Maintenance Repair.

Specifications

Maximum Output.....210 Amp
MIG (GMAW/FCAW)Welding
Output @104°F (40°C) ..... 110A / 19.5V @ 45% Duty Cycle (115V)
210A / 23.5V @ 20% Duty Cycle (230V)
STICK (SMAW)Welding
Output @104°F (40°C) ..... 110A / 24.8V @ 35% Duty Cycle (115V)
200A / 25V @ 25% Duty Cycle (230V)
TIG (GTAW)Welding
Output @104°F (40°C) .....
150A / 16V @ 35% Duty Cycle (115V)
200A / 18V @ 25% Duty Cycle (230V)
Current Range..... 10 – 150 Amp (115V), 10 – 210 Amp (230V)
MIG Welding Voltage Range.....14 – 30 Volt
Wirefeed Speed Range..... 100 – 600 IPM (2.5 – 15.2m/min) @ 230V
100 – 400 IPM (2.5 – 10.2m/min) @ 115V
Nominal OCV Volt/DC.....62 Volt
Maximum Plate Thickness.....3/8" (12.7mm)

FPW **1444-0872**



FIREPOWER MIG GUNS WITH VELOCITY ™ CONSUMABLES

- Ideal for light to medium gauge work in agriculture, architectural metal work, auto-body, DIY/hobbyist, HVAC, off-road vehicles, RV/campers, production welding, repair maintenance and general light fabrication.
- Operator appeal with ergonomic handle with diamond pattern for better grip and extended trigger length.
- Full range up to 220 Amps @ 40% Duty Cycle.
- Features new high performance Velocity™ Consumables.
- CE rated outputs and duty cycles.
- Rugged with steel spring strain relief.
- Built tough and designed to last.
- Best in class performance.

Part No.	Description	For Use With
FPW **1444-0881**	MIG Gun & Lead 180 Amps	MST 140i / MST 180i
FPW **1444-0882**	MIG Gun & Lead 220 Amps	MST 220i



FPW **1444-0881**



FPW **1444-0882**

FP-95 MIG/FLUX-CORED WIRE WELDER

Features

- Portable FP-95 MIG/Flux-Cored Wire Welder
- Simple operation and easy to use key set up chart
- Operates from standard household outlet and delivers 90 Amps

Includes

Tweco® Gun, return cable & clamp, 4 ft (1.2 m) power cord and NEMA 5-15P 115V plug, spool of flux-cored wire and an operating manual. Gas Solenoid not included.

Applications

Home DIY Hobbyist, Farm/Ranch, Maintenance & Repairs.

Specifications

Maximum output ..... 90 Amp
Duty cycle @ 104°F ..... 15% @ 80 Amp at 17.5V
Current range ..... 20-90 Amp
Number of voltage settings 2
Maximum plate thickness ..... 1/8" (3.2mm)
Wire diameter range ..... .030" - .035" (0.8 - 0.9mm)
Dimensions (H x W x D) ..... 11" x 7.75" x 14.5" (340mm x 195mm x 370mm)
Weight ..... 45 lbs. (20.6 kg)
Maximum Input Current 28A
Approvals ..... CSA, ETL

FPW **1444-0322**





FP-125 MIG/FLUX-CORED WIRE WELDER

Features

- FP-125 MIG/Flux-Cored Welder offers maximum versatility. Wire Welder
- Offers quick-change internal polarity adjustment from MIG to Flux-Cored an easy switch
- Operates from standard 115V household outlet and delivers 125 Amps

Includes

Tweco Gun, return cable & clamp, 6 ft (1.8 m) power cord and NEMA 5-15P 115V plug, spool of flux-cored wire and an operating manual. Regulator must be purchased for MIG operation.

Applications

Maintenance & Repairs, Farm/Ranch, Home DIY Hobbyist.

Specifications

Maximum output ..... 110 Amp
Duty cycle @ 104°F ..... 20% @ 88 Amp at 18V
Current range ..... 20-125 Amp
Number of voltage settings 4
Maximum plate thickness ..... 3/16" (4.8mm)
Wire diameter range ..... .023" - .035" (0.6 - 0.9mm)
Dimensions (H x W x D) ..... 12.75" x 9.75" x 17.35" (375mm x 250mm x 440mm)
Weight ..... 51 lbs. (23.5 kg)
Maximum Input Current 38A
Approvals ..... CSA, ETL

FPW **1444-0324**





FP-165 MIG/FLUX CORED WELDER

Features

- FP-165 MIG/Flux-Cored Welder delivers a very versatile and effective welding performance
- Simple operation and easy to use key set up chart
- Operates from standard 230V outlet and delivers 165 Amps

Includes

Tweco Gun, return cable & clamp, 6 ft (1.8 m) power cord and NEMA 6-50P 230V plug, spool of flux-cored wire and an operating manual.

Applications

Maintenance & Repairs, Farm/Ranch, Home DIY Hobbyist, General light duty fabrication & repair.

Specifications

Maximum output .....165 Amp
Duty cycle @ 104°F .....20% @ 130 Amp at 30V
Current range ..... 20-165 Amp
Number of voltage settings 4
Maximum plate thickness .....1/4" (6.4mm)
Wire diameter range..... .023" - .035" (0.6 - 0.9mm)
Dimensions (H x W x D).....12.75" x 9.75" x 17.35" (375mm x 250mm x 440mm)
Weight.....60 lbs (27.3 kg)
Maximum Input Current..... 35A
Approvals .....CSA, ETL

Item No.	Description
FPW **1444-0328**	FP-165 MIG/Flux-Cored Welding System
FPW **1444-0348**	FP-165 Welding Kit. Includes: FP165 MIG welder, MIG welder cart, wire brush, auto-darkening helmet, chipping hammer and regulator





FP-135 MIG/FLUX CORED WELDER

Features

- FP-135 MIG/Flux-Cored Welder delivers a versatile and effective welding performance.
- Simple operation and easy to use key set up chart
- Operates from standard 115V household outlet and delivers 135 Amps

Includes

Tweco Gun, return cable & clamp, 6 ft (1.8 m) power cord and NEMA 5-15P 115V plug, spool of flux-cored wire and an operating manual.

Applications

Home DIY Hobbyist, Farm/Ranch, Maintenance & Repairs, General light duty fabrication & repair.

Specifications

Maximum output.....135 Amp
Duty cycle @ 104°F .....40% @ 90 Amp at 18V
Current range ..... 20-135 Amp
Number of voltage settings 4
Maximum plate thickness .....3/16" (4.8mm)
Wire diameter range .....023" - .035" (0.6 - 0.9mm)
Dimensions (H x W x D) .....12.75" x 9.75" x 17.35" (375mm x 250mm x 440mm)
Weight .....56 lbs (25.5 kg)
Maximum Input Current 50A
Approvals .....CSA, ETL

Item No.	Description
FPW **1444-0326**	FP-135, MIG/Flux-Cored Welding System
FPW **1444-0346**	FP-135, Welding Kit. Includes: FP135 MIG welder, MIG welder cart, wire brush, auto-darkening helmet, chipping hammer and regulator





Firepower



320SP WELDING SYSTEM

The 320SP System is digital perfection. Its SmartMIG, TwinPulse, HDP, SmartLogic, EasyLink and other quick pre-programmed optimized programs deliver optimal performance with these machines. Up to 100 pre-programmed wire/gas combinations, User Friendly control panel, digital amp and volt meters, 200 to 500V single phase (SmartLogic) and many more unique features for the professional welder.

Applications

General Fabrication of Aluminum, Aluminum Boat Fabrication or Repairs, General Fabrication of Stainless Steel, Automotive Repair, Maintenance Repair, Technical Schools

Specifications

Welding DC – GMAW

Output Range: ..... 5-320 Amp, 14.3-30 Volt (1 Phase)
Rated Output @ Duty Cycle At 104°F: ..... 320 A at 30 V @ 40% duty cycle (1 Phase)
Output @ 100% Duty Cycle: ..... 250 A at 26.5 V (1 Phase)
Maximum OCV: ..... 79 V
Voltage Control: ..... Infinitely variable
Power Source Dimensions H x W x D: ..... 29.3" x 13.4" x 19.6" (745 x 340 x 498mm)
Weight: ..... 77.1 lb (35 kg)

GMAW Wire Diameter Range

Mild Steel: ..... .023" - .045" (0.6 - 1.2mm)
Stainless Steel: ..... .023" - .045" (0.6 - 1.2mm)
Aluminum: ..... .030" - 3/64" (0.8 - 1.2mm)
Flux Cored: ..... .030"- 1/16" (0.8 - 1.6mm)

Welding DC – SMAW, GTAW, CAG

Output Range: ..... 10-300 Amp, 20.4-32 Volt (1 Phase)
Rated Output @ Duty Cycle At 104°F: ..... 300 A at 32 V @ 40% duty cycle (1 Phase)
Maximum OCV: ..... 79 V
Amperage Control: ..... Infinitely variable
Primary Voltage: ..... 208/230/400/460 Volt
Rated Input Current @ 320 Amp At 30 V: ..... 69.5/57.5/37.5/32 Amp
Approvals: ..... CSA

Primary Rating

Primary Voltage	Primary Current	Primary Power	Output kVA
208V/1 phase	69.5 Amp	14.5 kVA	320 A @ 30 V
230V/1 phase	57.5 Amp	13.2 kVA	320 A @ 30 V
400V/1 phase	37.5 Amp	15.0 kVA	320 A @ 30 V
460V/1 phase	32.0 Amp	14.7 kVA	320 A @ 30 V

FPW **W1000104** PM 320SP System with 12 ft. gun
FPW **W1000106** PM 320SP System with Python 25 ft.

MIG SPOOL GUN 160A EURO



Features

- Interfaces with Firepower MST 180i and 220i 3-in-1 Welders
- Rated 20% Duty Cycle at 160 Amps
- Uses 11-Series Tips and Nozzles

Applications

The MIG Spool Gun allows the use of Aluminum in welding applications.

Contents

Firepower Spool Gun 160A, Custom Carrying Case, 12 ft (4m) Cable with Euro-Kwik Connector, Conductor Tube, 2 - 0.023" (0.6mm) 11-Series Contact Tips, 4 - 0.035" (0.9mm) 11-Series Contact Tips, 2 - 1/2" (12.7mm) 11-Series Nozzle, 2 - Gas Diffusers.

FPW **1444-0894**

**** Wire spool not included.***

TWECO® SPOOL GUN



Features

- Excellent Service and Ease of Operation
- Easy to Use
- Comfortable Handle Design
- Designed for Do-It-Yourself
- Quick Disconnect Conductor Tube Applications
- 160 Amp 20% Duty Cycle

Applications

These Tweco Spool Guns allow for the use of Aluminum in welding applications. For use with: Thermal Arc® Fabricators 141i, 181i, 211

FPW **1027-1390**

**** Wire spool not included.***

SPOOL GUN

Firepower's® semi-automatic spool gun is designed to effectively weld aluminum, stainless steel and mild steels. The best spool gun value available today. Designed to be used with either FP 200 or FP 260. No internal machine adjustment required!

Features

- Amps: 200, 60% duty cycle
- Compact design maximizes hand and arm fatigue
- Gun mounted potentiometer allows the user to weld and control wire speed with one hand operation

Comes Complete With

- Quick connect cable system: 20 ft.
- Spool gun
- MIG gun nozzle
- Contact Tips: .030"
- Only works with Firepower® products



FPW **1444-0408**



FP-100 STICK/ARC WELDING SYSTEM

Features

- Infinite Amperage Control 5 to 85 Amps Output
- Ideal for Home, Farm and Light Maintenance Repairs
- Operates on Standard 115 Volt Household Power
- Power Cord and NEMA Plug 5-15P 115 VAC
- CSA & ETL Approved

Applications

The FP-100 is ideal for home, farm and light maintenance repairs.

Specifications

Output range: ..... 5-85 amps (120V)
Rated Output: .....65A at 15% Duty Cycle (120V)
Max OCV: 65 Consumable Size: .....1/16" to 3/32"
STICK electrode Dimensions (H x W x D):.....11.5" x 9" x 13.3" (290 x 225 x 338mm)
Weight: .....27 lbs. (12kg)
Primary voltage:..... 120 Volt Supply plug: NEMA 5-15P Lead cord length: 6 ft. (1.8m)
Rated kVA at 85 Amps: .....2.5 kVA

FPW **1443-0412**



FPW **1444-0025**

MIG 11 & 14-SERIES TWECO® STYLE CONTACT TIPS

Item No.	Description
FPW **1444-0025**	MIG 11-Series .023" Contact Tip 10 PK
FPW **1444-0026**	MIG 11-Series .030" Contact Tip 10 PK
FPW **1444-0027**	MIG 11-Series .035" Contact Tip 10 PK
FPW **1110-1103**	MIG 11-40 Series .035" Contact Tip 25 PK
FPW **1444-0029**	MIG 11-Series .040" Contact Tip 10 PK
FPW **1444-0220**	MIG 14-Series .023" Contact Tip 10 PK
FPW **1444-0221**	MIG 14-Series .030" Contact Tip 10 PK
FPW **1444-0222**	MIG 14-Series .035" Contact Tip 10 PK
FPW **1444-0224**	MIG 14-Series .045" Contact Tip 10 PK



FPW **1444-0050**

MIG 11 & 14-SERIES TWECO STYLE NOZZLES

Item No.	Description
FPW **1444-0050**	MIG 11-Series 3/8" Nozzle Flush
FPW **1444-0051**	MIG 11-Series 1/2" Nozzle Flush
FPW **1444-0052**	MIG 11-Series 5/8" Nozzle Flush



FPW **1444-0890**

MIG VELOCITY™ CONTACT TIPS

Item No.	Description
FPW **1444-0890**	.023" Contact Tip 10 PK
FPW **1444-0891**	.030" Contact Tip 10 PK
FPW **1444-0892**	.035" Contact Tip 10 PK
FPW **1444-0893**	.045" Contact Tip 10 PK



MIG VELOCITY™ NOZZLE

Item No.	Description
FPW **1444-0886**	1/2" Nozzle Flush



FPW **1444-0413**

MIG GUNS WITH TWECO® 11-SERIES CONSUMABLES

Item No.	Description	For Use With
FPW **1444-0413**	MIG Gun 200 Amps (Requires *FPW* **1444-0417** Adapter when replacing a Tweco® Style MIG Gun with a Helvi Gun)	FP-120, FP-130 & FP-160
FPW **1444-0406**	MIG Gun 300 Amps (Euro-Kwik Connector, Max Output Amps 230/270)	FP-200 & FP-260
FPW **1444-0417**	Adapter Tweco® MIG Gun converted to Euro-Kwik	Tweco® MIG Guns

THERMAL ARC® 95 S INVERTER, STICK/LIFT TIG WELDING SYSTEM

Features

- Under 10 lbs., Extremely Portable
- Max Output at 95 Amps, 1 Phase Input Power, with 115 Volts

Includes

Thermal Arc 95 S System, 115VAC Primary Cable & Plug, 20 Amp Adapter Plug, Flow Meter Regulator, Ground Clamp & Electrode Holder, Quick Set Up Manual.

Applications

Maintenance and repairs, Sheet metal fabrication, Farm/Ranch, Auto body repair, Home DIY Hobbyist. Chrome-Moly and steel tubing to general fabrication of mild and stainless steels. Delivering a superior smooth and stable arc performance down to 5 Amps for the thinnest of materials. Extremely lightweight and portable yet designed to handle the toughest jobs.

Machine Specifications

Input Voltage ..... 115 VAC 1 Phase 50/60Hz
Rated Output ..... Stick 90 Amp / 23.6V @ 20%
TIG 95 Amp / 13.8V @ 20%
Nominal OCV ..... 60 Volt
SMAW Electrode Range ..... 1/16" - 3/32"
GTAW DC Tungsten Range ..... .040" - 3/32"
Current Range ..... 5 - 95 Amps
Dimensions (H x W x D) ..... 13" x 5.1" x 9.0"
(330mm x 130mm x 230mm)
Weight ..... 9.7 lbs (4.4 kg)
Maximum Input Current ..... 24 Amp
Approvals ..... IP23S, EN 60974-1, CSA, ETL

FPW **W1003202** Thermal Arc 95 S Inverter, Stick (SMAW) Package
FPW **W1003203** Thermal Arc 95 S Inverter, TIG (GTAW) Package





TIG 160S TIG AND STICK WELDING SYSTEM

Features

- 160 Amps Maximum Welding Output
- Multi-Voltage Input Power 115 and 208/230 VAC
- Lightweight and Portable

Includes

TIG 160S Welding Power Source, Ground Clamp & Electrode Holder, 17V TIG Torch with Gas Hose and Accessories, Flow Meter Regulator, 230V to 115V 15 Amp Adapter and Operating Manual

Applications

Home Hobbyists, Farm and ranch, Educational institutions, Maintenance and Repair. Optimized hot start and arc-force circuits delivering superior arc starting and control when stick welding.

Specifications

Input Voltage ..... 115/208-230 VAC, 1 PH, 50/60 Hz
Rated Output ..... 115V Stick 100A/ 24V @35%
TIG 110A/ 14.4V @30%
Rated Output ..... 230V Stick 160A/ 26.4V @30%
TIG 160A/ 16.4V @30%
Nominal OCV 71V
Current Range ..... 115V: 10-110 Amps 230V: 10-160 Amps
Dimensions (H x W x D) ..... 9.0" x 5.3" x 15.5"
(229mm x 135mm x 394mm)
Weight ..... 17.4 lbs (7.9 kg)
Maximum Input Current ..... 27.6 Amp
Approvals ..... IP23S, EN 60974-1, CSA, ETL

FPW **1442-0036**









TIG 140 ACDC TIG AND STICK WELDER

Features

- HF TIG (GTAW), Lift TIG (GTAW), Stick (SMAW)
- 140 Amps of TIG Welding Output
- Smooth & Stable Arc Performance
- Includes 8-Pin Receptacle for On/Off & Amp Control at the TIG Torch
- Gas Solenoid Valve is Built-in
- Lightweight and Portable Inverter Design

Includes

TIG 140 ACDC System, Ground Clamp & Electrode Holder, TIG Torch & Accessories, Flow Meter Regulator, 3 Modules, Flow Gauge Hose 12.5 ft (3.8 m), 10 ft (3 m) Power Cord & NEMA 5-20P 115V AC Plug, Shoulder Strap and Operation Manual & CD

Applications

TIG WELDING (GTAW) - The TIG 140 ACDC is capable of TIG welding on a wide range of materials from aluminum to mild and stainless steel. Delivering superior TIG welding performance with a smooth and stable arc down to 10 Amps.

STICK WELDING (SMAW) - The TIG 140 ACDC delivers up to 140 Amps of welding power and provides professional performances on a wide variety of materials. It's lightweight and portable with the ability to handle the toughest jobs.

Specifications

Maximum Output.....140 Amp
STICK (SMAW) Welding.....90A @ 20%, 23.6V
Output @104°F (40°C).....50A @ 60%, 22.0V; 40A @ 100%, 21.6V
TIG (GMAW) Welding.....140A @ 20%, 15.6V
Output @104°F (40°C).....75A @ 60%, 13.0V; 60A @ 100%, 12.4V
Current Range.....Stick: 10 - 90A TIG: 10 - 140A
Dimensions (H x W x D).....15.75" × 9.45" × 18.7" (400mm × 240mm×475mm)
Weight.....48.4 lbs (22 kg)
Phase.....1 PH
Maximum Input Current.....20 Amp
Approvals.....IP23S, EN 60974-1, CSA, ETL

FPW **1442-0030**





TIG 200 ACDC TIG AND STICK WELDER

Features

- HF TIG (GTAW), Lift TIG (GTAW), Stick (SMAW)
- 200 Amps of TIG Welding Output
- Smooth & Stable Arc Performance
- Includes 8-Pin Receptacle for On/Off & Amp Control at the TIG Torch
- Gas Solenoid Valve is Built-in
- Lightweight and Portable Inverter Design

Includes

TIG 200 ACDC System, Ground Clamp & Electrode Holder, TIG Torch & Accessories, Flow Meter Regulator, 3 trigger Modules, Flow Gauge Hose 12.5 ft (3.8 m), 10 ft (3 m) Power Cord & NEMA 6-50P 230V AC Plug, Shoulder Strap and Operation Manual & CD.

Applications

TIG WELDING (GTAW) - The TIG 200 ACDC is capable of TIG welding up to 200 Amps and a wide range of materials from aluminum to mild and stainless steel. Welding up to ¼" plate, this machine can deliver superior TIG welding performance with a smooth and stable arc down to 10 Amps.

STICK WELDING (SMAW) - The TIG 200 ACDC delivers up to 170 Amps of welding power and provides professional performances on a wide variety of materials. With the 208/230V output it has more power to handle the biggest jobs.

Specifications

Maximum Output.....200 Amp
STICK (SMAW) Welding.....170A / 26.6V @ 16% Duty Cycle
Output @104°F (40°C).....150A / 26V @ 25% Duty cycle
150A / 26V @ 100% Duty Cycle
TIG (GMAW) Welding.....200A / 18V @ 20% Duty Cycle
Output @104°F (40°C).....180A / 17.2V @ 25% Duty Cycle
150A / 16V @ 35% Duty Cycle
Current Range Stick: .....5-170 Amps TIG: 10-200 AC 5-200 DC
Dimensions (H x W x D).....15.75" x 9.45" x 18.7" (400mm x 240mm x 475mm)
Weight.....48.4 lbs (22 kg)
Phase.....1 PH
Maximum Input Current.....35.6 Amp
Approvals.....IP23S, EN 60974-1, CSA, ETL

FPW **1442-0032**

TIG TORCH 17V



Features

- 50mm Dinse Connector TIG (160S) with 25mm Dinse Adapter (95S)
- Includes Valve Knob for Shielding Gas
- 12.5' (3.8 m) Lead Length
- Gas Hose attached to Torch

Applications

Designed for use with ThermalArc® 95S & FP TIG 160S.

Note: TIG accessories not included.

FPW **1442-0053**



TIG TORCH SWCUR 17V AND 26V



Features

- 50mm Dinse Connector (25mm Dinse Adapter on *FPW* **1442-0020** for MST 140i)
- 12' (3.6 m) Lead Length
- Valve Knob for Shielding Gas
- On/Off Switch
- Includes Set of Accessories: 2 Collets, 2 Collet Bodies, 2 Cup Aluminas, 2 Tungsten Electrodes, and a Short and Long Back Cap

Applications

Designed for use with MST 140i, MST 180i, MST 220i and Fabricator 141i, 181i & 211i.

NOTE: TIG accessories not included.

FPW **1442-0020**



Item No.	Description	For Use With
FPW **1442-0020**	TIG Torch 17V (with 1442-0065 Accessories)	MST 140i & MST 180i
FPW **1442-0021**	TIG Torch 26V (with 1442-0066 Accessories)	MST 220i

TIG TORCH 17 AND 26 SWCUR



Features

- 50mm Dinse Connector
- 12.5' (3.8 m) Lead Length
- No Shielding Gas Valve on Torch (Gas is controlled by power supply)
- Foot Switch Control Not Needed, but can be used
- TIG Torch 17: On/Off switch with current control
- TIG Torch 26: On/Off switch with current control and 2 additional interchangeable Amp modules

Applications

Designed for use with TIG 140 ACDC, TIG 200 ACDC, and Fabricator 252i.

NOTE: TIG accessories not included.

FPW **1442-0022**



Item No.	Description	For Use With
FPW **1442-0022**	TIG Torch 17 SWCUR	TIG 140 ACDC, 141 ACDC
FPW **1442-0050**	TIG Torch 26 SWCUR	TIG 200 ACDC, 186 ACDC

Firepower

TIG COLLETS

Features

- Standard Grade Brass Collets

Applications

Holds Tungsten electrode in place and creates electrical contact for current transfer in TIG Welding. Used with Collet Body.



FPW **1442-0003**

Item No.	Description
FPW **1442-0003**	TIG Collet .040" 5 PK
FPW **1442-0004**	TIG Collet 1/16" 5 PK
FPW **1442-0005**	TIG Collet 3/32" 5 PK

TIG COLLET BODIES



FPW **1442-0006**

Features

- Standard grade brass collet bodies

Applications

Fits it's respective size collet and tungsten electrode. Used with collet.

Item No.	Description
FPW **1442-0006**	TIG Collet Body .040" 5 PK
FPW **1442-0007**	TIG Collet Body 1/16" 5 PK
FPW **1442-0008**	TIG Collet Body 3/32" 5 PK

TIG CUP ALUMINAS



FPW **1442-0009**

Features

- Ceramic quality cup aluminas

Applications

Protects the collet body and directs gas flow when TIG Welding.

Item No.	Description
FPW **1442-0009**	TIG Cup Alumina #4 10 PK
FPW **1442-0011**	TIG Cup Alumina #6 10 PK

TIG ACCESSORY KITS



FPW **1442-0065**

Applications

The TIG Accessory Kit comes with all consumables necessary for TIG Torch operation.

Contents

	FPW **1442-0065**	*FPW* **1442-0066**
Collets	.040" & 1/16"	3/32" & 1/8"
Collet Bodies	.040" & 1/16"	3/32" & 1/8"
Cup Aluminas	# 4 & 5	# 6 & 7
Tungsten Ceriated	.040" & 1/16"	3/32" & 1/8

Item No.	Description	Output Amps
FPW **1442-0065**	TIG Accessory Kit .040" & 1/16"	20-115†
FPW **1442-0066**	TIG Accessory Kit 3/32" & 1/8"	100-225†

TIG SHORT BACK CAP



Features

- Short back cap for TIG welding in smaller more restricted areas.

Applications

Used to tighten the collet which keeps the tungsten electrode from moving while welding.

FPW **1442-0002**

Firepower



TIG FOOT CONTROL

Features

- Comes with 15' Cable and 8-Pin Amphenol Plug

Applications

Provides On/Off contactor and amperage control for your Firepower MST 140i, MST 180i, MST 220i, TIG 140 ACDC, TIG 200 ACDC, Fabricators 141i, 181i, 211i, 252i and Thermal Arc 186 ACDC

FPW **1442-0025**

Firepower



BASIC UTILITY CART

Features

- Sturdy handle makes transporting welders/cutters easy
- Designed for most portable Welding/Cutting systems
- Rugged solid steel construction
- Easy-rolling 8" (203mm) diameter wheels
- 3" (76mm) front-mounted casters
- Accommodates up to 9" (229mm) diameter cylinder with Included Chains

For Use With

MST 140i, 180i, 220i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, 52, 82, CutSkill C-20A, C-35A, C-70A
AirCut 15C, Fabricator 141i, 181i, & 211i, Fabricator 186 ACDC

FPW **1444-0900**

Firepower



DELUXE WELDING/CUTTING CART

Features

- Single cylinder rack accommodates up to 9" (229mm) diameter cylinder
- Large accessory drawer and consumable compartment
- Includes MIG/TIG parts storage box
- Rugged solid steel construction
- Designed for most Firepower Welders/Cutters
- Includes chain for holding tank

For Use With

MST 140i, 180i, 220i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, 52, 82, CutSkill C-20A, C-35A, C-70A
AirCut 15C, Fabricator 141i, 181i, & 211i, 252i, Fabricator 186 ACDC

FPW **1444-0901**

Firepower



WELDING/CUTTING CART

Features

- Fits many Firepower Welders/Cutters (not MST 220i)
- Accommodates up to 9" (229mm) diameter cylinder with included chain
- Holds Welders/Cutters on top tray
- Sturdy and durable construction

For Use With

MST 140i & 180i, FP-95, 125, 135, 165
Thermal Arc 95 S, TIG 160S, TIG 140 ACDC & 200 ACDC
Cutmaster 42, AirCut 15C, Fabricator 141i & 181i
FPW **1444-0407**

MARQUETTE BY LINCOLN ELECTRIC



AUTOPRO™ CUTWELDER®

Contains all the quality equipment needed for cutting, welding and brazing in a rugged ballistic nylon bag. The outfit is designed to work with one CGa 510 acetylene cylinder and one CGa 540 oxygen cylinder. as supplied the outfit is capable of cutting 1" and welding to 1/16". Can cut to 4" and weld to 1/2" with larger tips and acetylene cylinder.

Features

- Ballistic nylon bag.
- Fire resistant, water resistant, washable bag.
- Heavy gauge wire in top of bag with hinge enclosure
- Non-skid feet.
- Outer storage pocket and elastic pockets on the inside (convenient for tips, tools, pens, markers, etc.).
- Brass torch handle includes built-in reverse flow check valves.
- Cutting attachment includes solid forged brass head, tail and stainless steel tubes.
- Regulators feature a rugged brass body.
- Easy-to-read dual scale gauges.

Uses These Brazing Rods

LNW **KH481** - 1/8" Flux-Coated Bronze
LNW **KH515** - 3/32" Flux-Coated Bronze

Recommended Accessories

LNW **KH662** - Welding Accessory Kit Includes leather welding glove,-Shade #5 cutting goggles, flint striker with refills, chipping hammer, flat soapstone and holder, large wire brush and tip cleaner.
LNW **KH578** - 1/4" x 25' oxy-acetylene hose

Specifications

Torch Handle: 85
Cut Attachment: 72-3
Mixer: D-85
Cutting Tip: 6290-1AC
Welding Tip: 23A90-3
Fuel Gas Regulator: 601-15-510
Oxygen Regulator: 601-80-540
Accessories: Goggles, Striker & 3/16" x 12' Hose
Product Weight: 9 lbs. (4kg)
Shipping Weight: 10 lbs. (4.5kg)

LNW **KH828**

AUTOPRO™ PORT-A-TORCH®



Contains all the quality equipment needed for cutting, welding and brazing in a rugged ballistic nylon bag and high impact ABS frame. The outfit is designed to carry one MC acetylene cylinder and one 20 cu. ft. oxygen cylinder. As supplied the outfit is capable of cutting 1" and welding to 1/16". Can cut to 4" and weld to 1/2" with larger tips and acetylene cylinder.

Features

- Tip proof frame has nylon tank straps and cylinder holders that are molded into the frame.
- Ballistic nylon bag with non-skid feet.
- Nylon shoulder straps.
- Outer storage pocket (convenient for tips, tools,pens, markers, etc.).
- Brass torch handle includes built-in reverse flow check valves.
- Cutting attachment includes solid forged brass head, tail and stainless steel tubes.
- Regulators feature a rugged brass body.
- One MC acetylene cylinder and one 20 cu. ft. oxygen cylinder (shipped empty).
- Easy-to-read dual scale gauges.

Uses These Brazing Rods

LNW **KH481** - 1/8" Flux-Coated Bronze
LNW **KH515** - 3/32" Flux-Coated Bronze

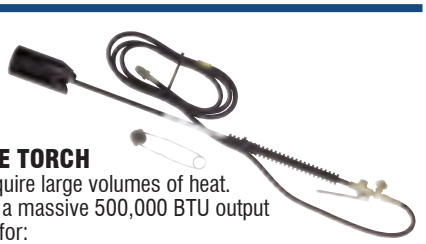
Recommended Accessories

LNW **KH662** - Welding accessory Kit Includes leather welding gloves, Shade #5 cutting goggles, flint striker with refills, chipping hammer, flat soapstone and holder, large wire brush and tip cleaner.
LNW **KH578** - 1/4" x 25' oxy-acetylene hose

Specifications

Torch Handle: 85
Cut Attachment: 72-3
Mixer: D-85
Cutting Tip: 6290-1AC
Welding Tip: 23A90-3
Fuel Gas Regulator: 601-15-200
Oxygen Regulator: 601-80-540
Accessories: Goggles, Striker & 3/16" x 12' Hose
Product Weight: 39 lbs. (18kg)
Shipping Weight: 40 lbs. (18.14kg)

LNW **KH827**



INFERNO® PROPANE TORCH

For applications that require large volumes of heat. The INFERNO® delivers a massive 500,000 BTU output which makes it perfect for:

- Repairing road surfaces
- Removing paint
- Burning brush, weeds and stumps
- Melting snow and ice
- Roofing, melts tar and asphalt

Features

- 500,000 BTU output.
- Solid brass valve for flame adjustment.
- 10' LP gas hose.
- Works with 20, 50 or 100 lb. propane cylinders.
- Excess flow safety valve.

LNW **KH826** Inferno 6 Pack with display

MARQUETTE BY LINCOLN ELECTRIC



DC INVERTER STICK WELDER

The AUTOPRO™ 90S can be used anywhere there is access to a 120 volt power source. Through the use of solid state, inverter-based technology, the AUTOPRO™ 90S can produce the same results as a transformer based AC stick welder. The AUTOPRO™ 90S is small, compact and portable. The AUTOPRO™ 90S can be carried around like a light-weight briefcase.
With a simple one knob control, you can enjoy the smooth arc, small spatter and stable welding current found with DC stick welding.

Features

- 10-90 amps DC output.
- Welds up to 1/4 in. mild steel.
- Compact, portable, lightweight and easy to use.
- Great for home repair and hobby projects on light gauge mild steel found around most households.
- Selectable amperage range for precise control.
- Fan-cooled for long life expectancy.
- One year warranty on parts and labor.

Base Unit Includes

- 10 ft. Work cable with small dins connector and clamp.
- 10 ft. Electrode holder with small dins connector.
- Shoulder strap for portability.
- Instruction manual.
- 6 ft. Input cable with attached plug.

Specifications

Input: 120/1/60
Duty Cycle: 20% @ 70 Amps
Output: 10-90 Amps, DC
Dimensions (H x W x D): 7.5" x 5.25" x 11.5"
(190.5 x 139.7 x 292mm)
Weight: 14 lbs. (6.4kg)

LNW **K3290-1**

MARQUETTE BY LINCOLN ELECTRIC



DC INVERTER STICK WELDER

The AUTOPRO™ 155S can be used anywhere there is access to a 230 volt power source. Through the use of solid state, inverter-based technology, the AUTOPRO™ 155S can produce the same results as a transformer based AC stick welder. The AUTOPRO™ 155S is small, compact, and portable and can be carried around like a light-weight briefcase. With the use of a simple toggle switch control, and the addition of a TIG torch you can easily switch over to TIG welding mild steel.

Features

- Smooth DC arc starts with minimal spatter.
- 30-155 amp welding output range is enough for many tasks.
- Welds 14 GA and thicker mild steel.
- Compact, portable, lightweight and easy to use.
- Great for home repair and hobby projects on light gauge mild steel found around most households.
- Selectable amperage range for precise control.
- Fan-cooled for long life expectancy.
- One year warranty on parts and labor.

Base Unit Includes

- 10 ft. Work cable with small dins connector and clamp.
- 10 ft. Electrode holder with small dins connector.
- Shoulder strap for portability.
- Instruction manual.
- 6 ft. Input cable with attached 50 amp (NEMA 6-50P) plug.

Recommended Accessories

LNW **PTA-17V TIG Torch**
LNW **K1782-6 (12.50 Ft.) 1-Piece Cable**
LNW **K1782-8 (25.0 Ft.) 1-Piece Cable**

150 Amp air-cooled compact and durable TIG Torch with integral gas valve for gas control at the torch. The above 1-piece cable torches also require the K960-2 adapter.

Specifications

Input: 230/1/60
Duty Cycle: ..... 30% @ 150 Amps
Output: ..... 10-155 Amps, DC
Dimensions (H x W x D): ..... 12" x 6.5" x 14.6" (305 x 165 x 371mm)
Weight: ..... 22 lbs. (9.9kg)

LNW **K3291-1**

MAGNUM® PRO CONTACT TIPS

Item No.	Wire Diameter
LNW **KH831**	.025
LNW **KH832**	.030
LNW **KH833**	.035
LNW **KH834**	.045



MAGNUM® PRO 100L MIG NOZZLE

LNW **KH835**



MAGNUM® PRO 100L FLUX-CORED NOZZLE

LNW **KH836**





120 VOLT AC INPUT COMPACT WIRE FEED WELDER WITH SPOOL GUN

Requiring common 120 volt input power, the AUTOPRO™ 140 can be used almost anywhere. With simple two knob control, the machine is easy to set up for gasless flux- cored welding for deep penetration on thicker steel or gas-shielded MIG welding on thin gauge steel, stainless or aluminum.

Features

Heavy-Duty Wire Drive

- Fully adjustable drive system reduces the chance of wire tangling and crushing.
- Brass-to-brass gun connection enhances conductivity.
- Durable cast aluminum gear box delivers added drive torque and quiet operation.
- Easy-turn numeric drive tension indicator identifies optimized ranges for different wire diameters.

Capable Performance

- Forgiving arc makes dialing in your application easy.
- Add the AUTOPRO™ 100SG spool gun for aluminum wire welding.
- Wide 30-140 amp welding output range.
- MIG weld 24 gauge up to 3/16 in. (4.8 mm) sheet metal in a single pass. Weld up to 5/16 in. (7.9 mm) steel using self-shielded Lincoln Electric Innershield® (FCAW-S) wires.
- Three Year Lincoln Warranty/90 Days on gun and cable assembly.

Base Unit Includes

- Magnum® PRO 100L gun and 10 ft. (3.0 m) cable assembly.
- .025" (0.6 mm) Magnum® PRO Contact Tips (Qty. 3).
- .035" (0.9 mm) Magnum® PRO Contact Tips (Qty. 3).
- .025" (0.6 mm) - .035" (0.9 mm) dual track drive roll.
- Magnum® PRO Gasless flux-cored nozzle for Innershield® welding.
- Magnum® PRO Gas nozzle for MIG welding.
- Spindle Adapter for 8" (203 mm) Diameter Spools.
- Sample spool of .035" (0.9 mm) NR®-211-MP flux-cored wire.
- Sample spool of .025 in. (0.6 mm) diameter SuperArc® L-56® premium MIG wire.
- Shielding gas regulator and hose.
- Work Clamp and 10 ft. (3.0 m) Cable.
- Instruction Manual and instructional DVD.

Specifications

Input: 120/1/60
Duty Cycle: ..... 20% @ 90 Amps/19.5 Volts
Input Current @ Rated Output: ..... 20 Amps
Output: ..... 30-140 Amps, DC
Dimensions (H x W x D): ... 13.7" x 10.15" x 17.9" (357 x 258 x 472mm)
Product Weight: ..... 50 lbs. (22.7kg)
Shipping Weight: ..... 61 lbs. (27.6kg)

LNW **K3292-2**

MARQUETTE BY LINCOLN ELECTRIC



208/230 VOLT AC INPUT COMPACT WIRE FEED WELDER WITH SPOOL GUN

Get it done with the AUTOPRO™ 180 for farm, light fabrication, auto or home projects! If you have access to 208/230 volt input power, you can weld on thicker material.

Simple two knob control makes it easy to tackle thin steel, stainless or aluminum sheet metal with MIG or thicker steel with flux-cored welding.

Features

Heavy-Duty Wire Drive

- Fully adjustable drive system reduces the chance of wire tangling and crushing.
- Brass-to-brass gun connection enhances conductivity.
- Durable cast aluminum gear box delivers added drive torque and quiet operation.
- Easy-turn numeric drive tension indicator identifies optimized ranges for different wire diameters.

Capable Performance

- Forgiving arc makes dialing in your application easy.
- Add the AUTOPRO™ 100SG spool gun for aluminum wire welding.
- Wide 30-180 amp welding output range.
- MIG weld 24 gauge up to 3/16 in. (4.8 mm) sheet metal in a single pass. Weld up to 1/2 in. (12.7 mm) steel using self-shielded Lincoln Electric Innershield® (FCAW-S) wires.
- Three Year Lincoln® Warranty/90 Days on gun and cable assembly.

Base Unit Includes

- Magnum® PRO 100L gun and 10 ft. (3.0 m) cable assembly.
- .025" (0.6 mm) Magnum® PRO Contact Tips (Qty. 3).
- .035" (0.9 mm) Magnum® PRO Contact Tips (Qty. 3).
- .025" (0.6 mm) - .035" (0.9 mm) dual track drive roll.
- Magnum® PRO Gasless flux-cored nozzle for Innershield® welding.
- Magnum® PRO Gas nozzle for MIG welding.
- Spindle Adapter for 8" (203 mm) Diameter Spools.
- Sample spool of .035" (0.9 mm) NR®-211-MP flux-cored wire.
- Sample spool of .025 in. (0.6 mm) diameter SuperArc® L-56® premium MIG wire.
- Shielding gas regulator and hose.
- Work Clamp and 10 ft. (3.0 m) Cable.
- Instruction Manual and instructional DVD.

Specifications

Input: 208/230/1/60
Duty Cycle: ..... 208: 30% @ 130 Amps/17.6 Volts
..... 230: 30% @ 130 Amps/20 Volts
Input Current @ Rated Output: ..... 20 Amps
Output: ..... 30-180 Amps DC
Dimensions (H x W x L): ... 14.0" x 10.15" x 18.2" (357 x 258 x 462mm)
Product Weight: ..... 56 lbs. (25.4kg)
Shipping Weight: ..... 61 lbs. (27.6kg)

LNW **K3293-2**



SMALL CANVAS COVER

Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.

LNW **KH495**



AUTOPRO™ 20 PLASMA CUTTER

The AUTOPRO™ 20 plasma cutter is a professional grade, lightweight, portable plasma cutting system that can be carried anywhere with little effort. It is ideal for the farm, HVAC, auto body shop, contractor, sheet metal fabricator, and homeowner for metal cutting jobs.

Features

- The AUTOPRO™ 20 plasma s recommended for cutting sheet metal to 1/8" material with a maximum capacity of 1/4".
- Inverter design makes the 21 pound unit very portable and ideal for HVAC and auto body work.
- Perfect for cutting expanded metal, stainless steel & aluminum.
- No high-frequency to damage sensitive electronic equipment.
- Built-in air pressure regulator, top mounted for easy adjustment.
- Fan-cooled unit has 40-50% duty cycle depending on the setting.
- Saddle hooks for convenient cable storage.
- Includes cutting torch assembly with 9.5 ft. reach, ground clamp with 8 ft cable, power cord and plug.
- Uses standard compressed air, requires 65 PSI @ 3.5 CFM.
- 1 year unit /90 day torch limited warranty.

Specifications

Input: 115/1/60
Duty Cycle: ..... 40% @ 20 Amps
..... 50% @ 10-15 Amps
Input Current @ Rated Output: ..... 20A @ max. output
..... 15A @10-15A output
Air Pressure Required: ..... 65 PSI @ 3.5 CFM
Dimensions (H x W x D): ..... 12.5" x 6.5" x 16" (318 x 165 x 406mm)
Product Weight: ..... 21 lbs. (9.5kg)
Shipping Weight: ..... 24 lbs. (10.8kg)

LNW **K3294-1**



ELECTRODE & NOZZLE

For use with AUTOPRO 20 plasma cutter.

LNW **KH652**

MARQUETTE BY LINCOLN ELECTRIC



SHIELD CUP & DIFFUSER RING

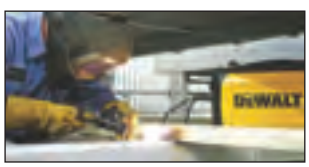
For use with AUTOPRO 20 plasma cutter.

LNW **KH653**

DEWALT







PORTABLE STICK AND TIG WELDER KIT

Offers a portable solution to welding. The ability to operate in cordless mode (DO NOT NEED TO PLUG IN), or can be easily plugged into a 20 amp circuit or generator. This unit contains an internal lithium ion battery that recharges while it's plugged in, with a 45-minute charger that allows you to charge the battery anywhere you go. This unit has digital readout which indicates the amperage and control values which can be regulated. Features includes: Hot Start/Soft Start setting which allows the welder to start easily and maintain a stable arc at low amperage and battery status bar that shows the remaining charge.

Includes:

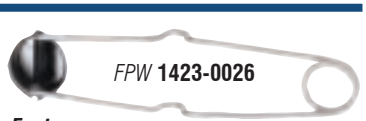
- Welder
- Charger
- Charger to Welder Cord
- Electrode Holder and 13' Lead
- Grounding Clamp and 10' Lead

Specifications

Weight - Welder	24.5
Weight - Charger	2.4 lbs.
Dimensions	17.1" L x 6.3" W x 12.2" H (welder)
Current Range - Stick	10-140
Current Range - TIG	3-150
Hybrid Duty Cycle @ 140 Amps - Stick	18%
Hybrid Duty Cycle @ 100 Amps - Stick	25%
Hybrid Duty Cycle @ 40 Amps - Stick	100%
Hybrid Duty Cycle @ 150 Amps - TIG	25%
Hybrid Duty Cycle @ 65 Amps - TIG	100%
Open Circuit Voltage	91V Max
Protection Degree	IP23

DEW **DCW100K**

Firepower



FPW **1423-0026**

FLINT SPARK LIGHTER

Features

- Tested to 300,000 Strikes!
- Easy and accurate ignition insured by multi-spark discharge
- Zinc Plated body resists rust and corrosion

FPW **1423-0026** Single Flint Spark Lighter

FPW **1423-0032** Flints for Single Flint Spark Lighter, 1 Holder/pk. (5 pcs.)

THREE-FLINT WELDING TORCH LIGHTER

NAPA WELDING

Heavy-duty welding torch lighter features self-rotating file and replaceable flint holer.



WLD **777-1416**

WLD **777-1417**

SINGLE-FLINT TORCH LIGHTER

NAPA WELDING

Long-life lighter has large flint and a rotating, long-life file. It uses low-cost replaceable flints.



WLD **777-1418**

NAPA WELDING



SINGLE-FLINT TORCH LIGHTER REPLACEMENT FLINTS

Replacement flints for single-flint lighters. Use with *WLD* **777-1418** Single-Flint Torch Lighter.

WLD **777-1419** Fits Smaller Shaft striker, Qty. 5

WLD **777-1911** Fits Larger Shaft Striker, Qty. 1

MARQUETTE BY LINCOLN ELECTRIC



AUTOPRO™ 100SG

The AUTOPRO™100SG spool gun is the lowest cost way to add reliable and precise wire feeding performance for soft aluminum wire. It's easy to set up for novice and experienced welders on both MARQUETTE® and LINCOLN® compact wire feed welders.

Features

- Lightweight at only 3.5 lbs. (1.6 kg).
- All aluminum alloys and recommended wire diameters can be fed with the same drive roll and liner assembly.
- Ergonomic grip and balanced design.
- Full travel mechanical trigger can be easily felt through a welding glove.
- 10 ft. (3.0 m) gun cable, and gun connector offers fast connections to the welding machine.
- No expensive gun or bulky adapter module is required.
- Carrying case protects the gun during transport and storage.

Unit Includes

- AUTOPRO™ 100SG gun with10 ft. (3.0 m) cable.
- Spool of .035 in. (0.9 mm) 4043 aluminum alloy wire.
- .030-.035" (0.8-0.9 mm) drive roll.
- .035" (0.9 mm) Contact tips (Qty. 3).
- Carrying case.

Specifications

Duty Cycle:	30% @ 130 Amps
Cable Length:	10 ft. / 3.0m
Wire Size Range:	.030-.035in (0.8-0.9mm)
Dimensions (H x W x D):	15.75" x 10.50" x 4.25"(400 x 267 x 108mm)
Product Weight:	3.5 lbs. (1.6kg)
Shipping Weight:	12 lbs. (5.4kg)

LNW **K3295-1**

ALUMINUM SOLID WIRE / ER5356 MIG WIRE ALUMINUM

Features

- For aluminum MIG welding
- Best when used with a clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity



FPW **1440-0240**

Item No.	Spool Size	Wire Size	AWS Class
FPW **1440-0240**	1 lb.	.030"	ER 5356
FPW **1440-0241**	1 lb.	035"	ER 5356
FPW **1440-0445**	3 lbs.	.035"	ER 5356

MILD STEEL SOLID WIRE / ER70S-6 MIG WIRE SOLID

Features

- Premium AWS CLASS ER70S-6
- For general purpose MIG welding
- Designed to be used on mild steel
- Best used with clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity



FPW **1440-0210**

Item No.	Spool Size	Wire Size
FPW **1440-0210**	2 lbs.	.023"
FPW **1440-0211**	11 lbs.	.023"
FPW **1440-0212**	33 lbs.	.023"
FPW **1440-0215**	2 lbs.	.030"
FPW **1440-0216**	11 lbs.	.030"
FPW **1440-0217**	33 lbs.	.030"
FPW **1440-0220**	2 lbs.	.035"
FPW **1440-0221**	11 lbs.	.035"
FPW **1440-0222**	33 lbs.	.035"
FPW **1440-0447**	33 lbs.	.045"

STAINLESS STEEL SOLID WIRE / ER308L MIG WIRE STAINLESS STEEL

Features

- Premium AWS CLASS ER308L
- For stainless steel MIG welding
- Best when used with a clean or prepared welding surface
- Requires a shielding gas
- DC reverse polarity



FPW **1440-0245**

Item No.	Spool Size	Wire Size
FPW **1440-0245**	2 lbs.	.030"

SUPERARC® L-56 MILD STEEL MIG WIRE – AWS ER70S-6



Lincoln's premium copper coated MIG wire, Superarc® L-56 is an excellent choice for welding on metals with a medium-to-high presence of mill-scale. For best performance use on clean, oil-free, and rust-free base material. Best weld appearance and toe wetting when compared to ER70S-3 and ER70S-4 classifications. Superarc® L-56 has high silicon and manganese deoxidizer levels. Superior feedability and excellent arc characteristics are trademarks of Superarc® L-56. Shielding gases include argon/carbon dioxide blends, argon/ oxygen blends, straight carbon dioxide, and three or four-part gas mixes.

Item No.	Spool Size	Wire Size	Type of Wire
LNW **ED030583**	2 lb. x 4"	.025" (.6 mm)	SuperArc® L-56
LNW **ED015790**	12.5 lb. x 8"	.025" (.6 mm)	SuperArc® L-56
LNW **ED030631**	2 lb. x 4"	.030" (.8 mm)	SuperArc® L-56
LNW **ED023334**	12.5 lb. x 8"	.030" (.8 mm)	SuperArc® L-56
LNW **ED030632**	2 lb. x 4"	.035" (.9 mm)	SuperArc® L-56
LNW **ED028676**	12.5 lb. x 8"	.035" (.9 mm)	SuperArc® L-56

SUPERGLAZE® ALUMINUM MIG WIRE – AWS ER4043



SuperGlaze® ER4043 is a great choice for the welding of heat-treat- able base alloys and more specifically the 6XXX series alloys. It has a lower melting point and more fluidity than the 5XXX series filler alloys and is preferred by welders because of its favorable operating characteristics. ER4043 type wires are also less sensitive to weld cracking with the 6XXX series base alloys. SuperGlaze® ER4043 is suitable for sustained temperature service, above 150°F (65°C).

Item No.	Spool Size	Wire Size	Type of Wire
LNW **KH513**	1 lb. X 4"	.030 (.8mm)	SuperGlaze® ER4043

FLUX CORED WIRE / E71T-GS FLUXED CORED

Features

- Premium AWS CLASS E 71T-GS
- Also called "Self-Shielding" or "Gasless"
- For general purpose MIG welders
- Designed to be used on mild steel
- Best used with clean or prepared welding surface
- Requires no shielding gas
- DC straight polarity



FPW **1440-0230**

Item No.	Spool Size	Wire Size
FPW **1440-0230**	2 lbs.	.030"
FPW **1440-0231**	10 lbs.	.030"
FPW **1440-0235**	2 lbs.	.035"
FPW **1440-0236**	10 lbs.	.035"

MARQUETTE BY LINCOLN ELECTRIC

FLUX-CORED STEEL WIRE – AWS E71T

One of our most popular all-purpose Innershield® wires. Versatile wire suitable for all-position welding of light gauge steel or thin plate up to 1/2" (12.7mm). Low spatter and excellent weld appearance.



Item No.	Spool Size	Wire Size	Type of Wire
LNW **ED031448**	1 lb. x 4"	030" (.8 mm)	E71T - 11 NR® - 211 - MP
LNW **ED030584**	1 lb. x 4"	.035" (.9 mm)	E71T - 11 NR® - 211 - MP
LNW **ED033130**	10 lb. x 8"	.030" (.8 mm)	E71T - 11 NR® - 211 - MP
LNW **ED016354**	10 lb. x 8"	.035" (.9 mm)	E71T - 11 NR® - 211 - MP
LNW **ED016363**	10 lb. x 8"	.045" (1.2 mm)	E71T - 11 NR® - 211 - MP

Firepower

TYPE 6011 MILD STEEL ARC WELDING ELECTRODES

Features

- Premium AWS Class E-6011
- Mild steel type
- Deep penetration, welds through rust, scale, oil and dirt
- Use when you are unable to prepare the welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode





Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0115**	*FPW* **1440-0116**	*FPW* **1440-0117**	*FPW* **1440-0118**
1/8"	*FPW* **1440-0105**	*FPW* **1440-0106**	*FPW* **1440-0107**	*FPW* **1440-0108**
5/32"	*FPW* **1440-0095**	*FPW* **1440-0096**	*FPW* **1440-0097**	*FPW* **1440-0098**

Firepower

TYPE 6013 MILD STEEL ARC WELDING ELECTRODES

Features

- Premium AWS Class E-6013
- Mild steel type
- Designed for general purpose
- Excellent for low heat applications
- Best used with clean or prepared welding surface
- AC or DC, reverse polarity
- 60,000 PSI tensile strength
- All position electrode





Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0145**	*FPW* **1440-0146**	*FPW* **1440-0147**	*FPW* **1440-0148**
1/8"	*FPW* **1440-0134**	*FPW* **1440-0135**	*FPW* **1440-0136**	*FPW* **1440-0137**
5/32"	*FPW* **1440-0124**	*FPW* **1440-0125**	*FPW* **1440-0126**	*FPW* **1440-0127**

Firepower

TYPE 7014 IRON POWDER ARC WELDING ELECTRODES

Features

- Premium AWS Class E-7014
- Iron powder type
- Designed for high deposition and high electrode travel speed
- Medium to low penetration
- Best used with clean or prepared welding surface
- AC or DC, reverse polarity
- 70,000 PSI tensile strength
- All position electrode





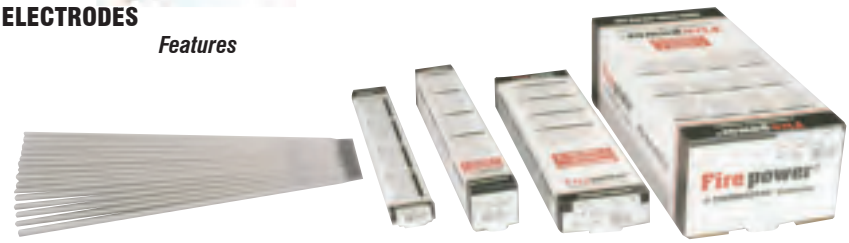
Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0205**	*FPW* **1440-0206**	*FPW* **1440-0207**	*FPW* **1440-0208**
1/8"	*FPW* **1440-0200**	*FPW* **1440-0201**	*FPW* **1440-0202**	*FPW* **1440-0203**
5/32"	*FPW* **1440-0150**	*FPW* **1440-0151**	*FPW* **1440-0152**	*FPW* **1440-0153**

Firepower

TYPE 7018 LOW HYDROGEN ARC WELDING ELECTRODES

Features

- Premium AWS Class E-7018
- Low Hydrogen Type
- Designed to produce X-Ray quality welds
- Medium penetration
- Best used with clean or prepared welding surface
- AC or DC, either polarity
- 70,000 PSI tensile strength
- All position electrode



Rod Size	1 lb Box Item No.	5 lb Box Item No.	10 lb Box Item No.	50 lb Box Item No.
3/32"	*FPW* **1440-0195**	*FPW* **1440-0196**	*FPW* **1440-0197**	*FPW* **1440-0198**
1/8"	*FPW* **1440-0185**	*FPW* **1440-0186**	*FPW* **1440-0187**	*FPW* **1440-0188**
5/32"	*FPW* **1440-0180**	*FPW* **1440-0181**	*FPW* **1440-0182**	*FPW* **1440-0183**



ELECTRODES JOB PACKS

Item No.	Description	No. Rods
FPW **1440-0400**	Bronze Flux Coated Brazing Rods, 3/32" diameter x 14" long; No brazing flux needed	4
FPW **1440-0401**	Bronze Bare Brazing Rods, 3/32" diameter x 14" long; Requires brazing flux	4
FPW **1440-0402**	E4043 Aluminum Welding Electrodes, 1/8" diameter x 14" long; Use with ANY Aluminum Application	3
FPW **1440-0404**	Steel Welding Electrodes, 3/32" diameter x 14' long; Excellent problem solver type electrode	4
FPW **1440-0405**	6013 General Purpose Electrodes, 1/16" x 10" long	4
FPW **1440-0406**	General Purpose Electrodes, 3/32" diameter x 14" long; Excellent for use with all types of Arc Welders	4
FPW **1440-0411**	Nickel 55 Welding Electrodes, 1/8" diameter x 14" long	4
FPW **1440-0423**	ENiCl Pure Nickel Electrode 3/32" diameter x 14" long	5
FPW **1440-0424**	ENiCl Pure Nickel Electrode 1/8" diameter x 14" long	3
FPW **1440-0440**	Cast Iron (55% Nickel) 3/32" diameter x 14" long	3
FPW **1440-0441**	6011 Mild Steel 3/32" diameter x 14" long	4



FPW **1440-0413**

MILD STEEL / E6024 QUICK START ELECTRODES

Applications

Mild steel type electrode has a special quick start tip. Stable arc and automatic action that makes it easy to use on thin metals requiring low amperage. Features self-cleaning action that works well in all positions. Tensile Strength 60,000 PSI.

Amperage Recommendations		
AMPS	Diameter	Current
25-90	1/16"	AC/DC

Item No.	Description
FPW **1440-0412**	1/16" 1 lb.
FPW **1440-0413**	1/16" 5 lbs.





FPW **1440-0165**

STAINLESS STEEL / 308 STAINLESS STEEL ELECTRODES

Features

- For welding all 200 and 300 series stainless up to and including 308
- Provides equal or better corrosion resistance than the base metal
- Can be used for fabricating and repairing austenitic manganese steel

Item No.	Description
FPW **1440-0165**	3/32" x 14" 1 lb. box
FPW **1440-0155**	1/8" x 14" 1 lb. box
FPW **1440-0156**	1/8" x 14" 5 lbs. box



FPW **1440-0449**

NICKEL BASE / EST CAST IRON ELECTRODES (NON-MACHINABLE, STEEL CORE)

Applications

This cast iron electrode is specifically developed for dirty and oil soaked cast iron applications. It is also ideal for heat affected cast iron repairs. This electrode offers the least expensive method of repairing cast iron. Great for repairing castings, transmission housings, etc. Non-Machinable. Tensile strength 62,000 PSI. Elongation 20%

Amperage Recommendations		
AMPS	Diameter	Current
70-125	1/8"	AC/DC - DC+ recommended

Item No.	Description
FPW **1440-0449**	1/8" 1 lb.
FPW **1440-0443**	1/8" 5 lbs.



FPW **1440-0083**

NICKEL BASE / ENIFECL NICKEL 55 CAST IRON ELECTRODES (MACHINABLE)

Applications

The most versatile cast iron electrode. The best solution for repairing cast iron, heavy cast iron sections. The smooth arc characteristics produce strong, sound welds at low amps. Repairs cylinder blocks, exhaust manifold, and machine bases. Tensile strength 70,000 PSI. Elongation 12%

Amperage Recommendations		
AMPS	Diameter	Current
70-90	3/32"	AC/DC - DC+ recommended
80-120	1/8"	

Item No.	Description
FPW **1440-0440**	3/32" Job pack (3 rods)
FPW **1440-0083**	1/8" 1 lb.



FPW **1440-0425**

NICKEL BASE / ENICL PURE NICKEL 99% CAST IRON ELECTRODES (MACHINABLE)

Applications

The highest quality nickel electrode available. Welds well in all positions. The high (99%) nickel content has a natural attraction to cast iron giving it superior performance when welding cast iron material. Nickel 99 can be used on cast iron parts that are subject to heating and cooling, such as engine blocks, cylinder heads, exhaust manifolds, etc. Excellent machinability. Tensile strength 55,000 PSI. Elongation 10%

Amperage Recommendations		
AMPS	Diameter	Current
70-90	3/32"	AC/DC - DC+ recommended
80-110	1/8"	

Item No.	Description
FPW **1440-0423**	3/32" Job pack (5 rods)
FPW **1440-0424**	1/8" Job pack (3 rods)
FPW **1440-0425**	1/8" 1 lb
FPW **1440-0374**	1/8" 5 lbs



FPW **1440-0419**

ALUMINUM / E4043 ALUMINUM ARC ELECTRODES

Applications

This flux coated aluminum electrode is designed to give a weld with strength ductility and corrosion resistance equal to parent metal. Applications include aluminum, sheet metal, plates, castings, tanks and piping. Tensile strength 34,000 PSI. Elongation 18%.

Amperage Recommendations		
AMPS	Diameter	Current
0-120	1/8"	DC+

Item No	Description
FPW **1440-0419**	1/8" 1 lb.
FPW **1440-0420**	1/8" 5 lbs.



FPW **1440-0081**

HARD FACING ELECTRODES

Applications

This high quality, all purpose electrode produces outstanding impact and abrasion resistance. The high deposition rate prolongs surface life of new and worn parts. Ideal for repairing all types of agriculture, construction equipment, auger, buckets, concrete mixers, etc.

Amperage Recommendations	
AMPS	Diameter
110-140	1/8"

Item No.	Description
FPW **1440-0080**	1/8" 1 lb. tube, #35 High Abrasion/Hard facing
FPW **1440-0081**	1/8" 5 lbs. box, #35 High Abrasion/Hard facing



CUTTING ELECTRODES

Applications

A special heavy duty coating produces 7000° heat at high-arc velocity. Use this electrode for a fast, low-cost means of cutting cast iron and stainless steel without special equipment. Current AC.

FPW **1440-0426** 1/8" 1 lb.

WELDING ELECTRODES MILD STEEL

MARQUETTE BY LINCOLN ELECTRIC



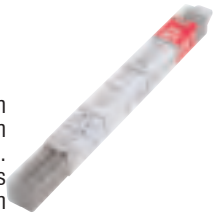
E6011 FLEETWELD® 180

All-position, all-purpose electrode for most general repair work. Excellent results on dirty, rusty metals, poor fit-ups and sheet metal welding. Use it for auto and truck repair, farm equipment, pipe, tanks, structural steel. Developed specifically to meet the needs of the repair and maintenance welder. This electrode offers good penetration with a stable arc.

Size	1-lb.	5-lb.	Recommended Amperage
3/32"	*LNW* **ED033494**	*LNW* **ED030562**	20-75
1/8"	*LNW* **ED033495**	*LNW* **ED030563**	75-130

MARQUETTE BY LINCOLN ELECTRIC

E6013 FLEETWELD® 37



Designed primarily for welding on new, clean steel, this electrode is an all-purpose, all-position electrode with a stable, easily handled arc. Spatter loss is low, and the weld metal solidifies quickly, leaving a closely rippled deposit with good appearance. Arc starts easily, even at low amperage settings. Typical applications include shaft build-up, general purpose fabrication, machine parts and structures.

Size	1-lb.	5-lb.
5/64"	*LNW* **ED029898**	—
1/16"	*LNW* **ED029897**	—
3/32"	*LNW* **ED033499**	*LNW* **ED030564**
1/8"	*LNW* **ED033500**	*LNW* **ED030565**

WELDING ELECTRODES LOW HYDROGEN

MARQUETTE BY LINCOLN ELECTRIC

E7018 LINCOLN 7018AC



General purpose contact-type electrode with powdered iron coating. Designed for high sulphur steels, hardenable low alloy steels, high tensile steels, medium and high carbon steels, cold rolled steels and free machining steels. Successfully joins most hard-to-weld steels. Flat, vertical and fillet positions only. It can be used in steel structures, field erection, plants and rigs.

Size	1-lb.	5-lb.	Recommended Amperage
3/32"	*LNW* **ED033512**	*LNW* **ED030568**	50-100
1/8"	*LNW* **ED033513**	*LNW* **ED030569**	100-150

MARQUETTE BY LINCOLN ELECTRIC

FLEETWELD 47



E7014 is an iron powder rutile coated electrode designed for higher speeds and with greater deposition efficiency than E6012 or E6013 electrodes. This electrode provides a stable arc, flat smooth bead appearance and easy slag removal. E7014 is used in all positions on AC or DC (straight or reverse polarity). Typical applications would be the same as E6012 or E6013, but where greater welding efficiency is needed.

Size	1-lb.	5-lb.	Recommended Amperage
3/32"	*LNW* **ED033504**	—	35-120
1/8"	*LNW* **ED033505**	—	120-135

Firepower

OXYGEN / ACETYLENE MILD STEEL (COPPER COATED)

Applications

Low carbon steel rod manufactured to the highest quality standards. Copper coating prevents rusting and improves corrosion resistance. A great rod for shop, home, commercial and maintenance repairs. 65,000 PSI tensile strength.

Item No.	Description
FPW **1440-0442**	1/16" x 18" 5 lbs.
FPW **1440-0433**	3/32" x 36" 10 lbs.



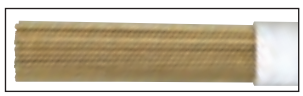
Firepower

MANGANESE BRONZE BARE GAS RODS

Applications

Bare brazing rod low fuming highest quality. Balanced zinc and copper alloy. Excellent for brazing fenders, radiators, water tanks and sheet metal. 63,000 PSI tensile strength.

Item No.	Description
FPW **1440-0427**	3/32" x 36" 5 lbs.
FPW **1440-0428**	1/8" x 36" 5 lbs.



Firepower

MANGANESE BRONZE FLUX COATED GAS RODS

Applications

Flux coated, low fuming brazing rod. Provides all properties for best tensile strength and ductility. Rod fuses well with cast iron, malleable iron, galvanized iron, steel, brass and copper. 65,000 PSI tensile strength.

Item No.	Description
FPW **1440-0431**	3/32" x 36" 1 lb.
FPW **1440-0429**	3/32" x 36" 5 lbs.
FPW **1440-0430**	1/8" x 36" 5 lbs.



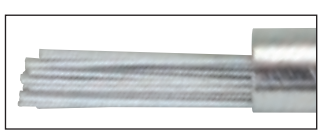
Firepower

EASY-FLO ALUMINUM BRAZING ROD

Applications

Aluminum rod is excellent for all types of sheet or cast aluminum. This product greatly simplifies the process and requires no flux. Applications include aluminum boats, lawn equipment, outboard motors and castings.

FPW **1440-0434** 1/8" x 18" 1 lb



Firepower

GAS WELD ELECTRODES

1/16" Diameter. 10 Lb. box.

FPW **1440-0432**



MARQUETTE BY LINCOLN ELECTRIC



BRONZE FLUX-COATED BRAZING ROD

A low fuming rod of highest quality. Tins easily and has high strength and wear resistance. Fuses well with cast iron, malleable, galvanized iron, steel, brass, copper and metal. A high quality brazing coating, already applied to speed up brazing time. Excellent for brazing automobiles, pipes, tanks, etc.

LNW **KH481** 3/32" x 14", 1lb
LNW **KH515** 1/8" x 12", 1lb

WELDING

WELDING ROD STORAGE TUBE



This tube is designed to keep welding rods clean and dry, with a tight-sealing gasket to keep out moisture. Tube holds up to 14" rods. Includes new removable, internal divider that allows for four separate compartments.

WLD **777-1704**

WELDING

SCREW-TYPE ELECTRODE HOLDER



Screw-type holder has a 400A capacity. A quarter turn of the handle locks the jaws tight around welding rod.

WLD **777-1438**

WELDING

HEAVY-DUTY ELECTRODE HOLDERS



These holders are lightweight, heat resistant, and feature fiberglass jaws and handles with copper contacts for high conductivity. They are insulated for safety.

Item No.	Description
WLD **777-1689**	200A Capacity
WLD **777-1439**	300A Capacity
WLD **777-1716**	500A Capacity

WLD **777-1689**

MARQUETTE BY LINCOLN ELECTRIC

ELIMINATOR™ VARIABLE SHADE ADF



- Variable shade 9-13.
- Two Arc Sensors.
- Solar-powered with battery assist - always on and ready to weld.
- 2 AAA Alkaline batteries included.
- 2 extra inside and 2 extra outside polycarbonate impact resistant clear lenses.
- Protects against harmful ultra-violet and infra-red light.

LNW **K3320-1** Welding Helmet
LNW **KN778** Clear polycarbonate replacement lens

MARQUETTE BY LINCOLN ELECTRIC

ACCELERATE™ VARIABLE SHADE ADF



- Variable shade 9-13.
- Two Arc Sensors.
- Solar-powered with battery assist - always on and ready to weld.
- 2 AAA Alkaline batteries included.
- 2 extra inside and 2 extra outside polycarbonate impact resistant clear lenses.
- Protects against harmful ultra-violet and infra-red light.

LNW **K3296-1** Welding Helmet
LNW **KH778** Clear polycarbonate replacement lens

Firepower



FPW **1441-0085** *FPW* **1441-0086** *FPW* **1441-0087**

PREMIUM FIREPOWER® AUTO-DARKENING WELDING HELMETS



FPW **1441-0088**

Features

- Four Arc Sensors for High Response
- Automatically Turns from Light to Dark and Dark to Light
- Adjustable Welding Shade Levels from 9 to 13
- Light Shade DIN Level
- "Sensitivity" Control Range
- Selection for Process Mode
- Solar-Powered
- "Delay" Adjustable Controls

Item No.	Description
FPW **1441-0085**	Pinstripes Auto-Darkening Welding Helmet
FPW **1441-0086**	Piston & Plug Auto-Darkening Welding Helmet
FPW **1441-0087**	Stars & Stripes Auto-Darkening Welding Helmet
FPW **1441-0088**	Skull & Fire Auto-Darkening Welding Helmet

MARQUETTE BY LINCOLN ELECTRIC

VARIABLE SHADE ADF



- Fast switching speed — less than 100 micro seconds.
- Variable shade 9-13.
- Solar cell powered lens — always on and ready to weld.

LNW **K3319-1** Welding Helmet
LNW **KP3323-1** Clear polycarbonate replacement lens

WELDING

ADJUSTABLE AUTO-DARKENING WELDING HELMET



Adjustable auto-darkening welding helmet adjusts from shades 9 to 12 and is ideal for MIG, TIG, and GMAW welding functions. Solar powered and 1/25,000 switching speed. Features locking head gear and is lightweight to reduce neck fatigue. Meets ANSI Z87.1 standards. Lens size: 2" x 4¼".

WLD **777-1819**

WELDING

LARGE VIEW WELDING HELMET



Large view welding helmet is lightweight to reduce neck fatigue. Features locking head gear and includes shade 10 filter plate and clear lens plate cover. Meets ANSI Z87.1 standards. Lens size: 4½" x 5¼".

WLD **777-1818**

NAPA WELDING

CLEAR POSITIVE LOCKING RATCHET WELDING HELMET

Black fixed front lightweight molded thermoplastic resin design. Extended throat offers added protection from sparks, slag and fumes. Positive locking ratchet headgear. Shade #10 filter plate and clear cover lens.

WLD **777-1086**



NAPA WELDING

FLIP-UP WELDING HELMET

Lightweight, black molded helmet features #10 shade filter plate lens. Up to DIN16 protection at all times. Flip-up view design.

WLD **777-1083**



NAPA WELDING

PASSIVE WELDING HELMET

Lightweight, black molded helmet features #10 shade filter plate lens. Up to DIN16 protection at all times. Passive design.

WLD **777-1084**



NAPA WELDING

POSITIVE LOCKING RATCHET WELDING HELMET

Black fixed front lightweight molded thermoplastic resin design. Extended throat offers added protection from sparks, slag and fumes. Positive locking ratchet headgear. Shade #10 filter plate and clear cover lens.

WLD **777-1085**



Firepower

HAND WELDING SHIELD

Features

- Streamlined, compact design allows welders to get into tight places
- Meets or Exceeds: ANSI Z87-1, CE and various International Standards
- Dimensions 2" x 4.25"

FPW **1423-4100**



NAPA WELDING

UNIVERSAL WELDING HELMET HEADGEAR

- Fully adjustable top band
- Free-floating suspension
- Ratchet headband
- Fits all one-piece shell helmets, including *WLD* **777-1801**, *WLD* **777-1818**, *WLD* **777-1819**, and discontinued *WLD* **777-1802** and *WLD* **777-1806**

WLD **777-1455**



NAPA WELDING

ADJUSTABLE WELDING HELMET HEADGEAR

- Fully adjustable top band
- Free-floating suspension
- Ratchet headband
- Fits all one-piece shell helmets, including *WLD* **777-1800** and *WLD* **777-1801**

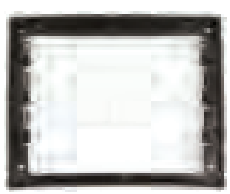
WLD **777-1464**



Firepower



FPW **WH41001FL**



FPW **WH41001ML**

WELDSKILL LENS COVERS

Item No.	Description
FPW **WH41001FL**	Front Lens Cover
FPW **WH41001ML**	2X Magnifying Lens

MARQUETTE BY LINCOLN ELECTRIC

4 PK LENS

Clear polycarbonate replacement lens for NAPA helmets ACCELERATE Variable Shade ADF *LNW* **K3296-1** and ELIMINATOR Variable Shade ADF *LNW* **K3320-1**.

LNW **KH778**



MARQUETTE BY LINCOLN ELECTRIC

4 PK LENS

Clear polycarbonate replacement lens for MARQUETTE Variable Shade ADF helmet *LNW* **K3319-1**.

LNW **KP3323-1**



WELDING

TM1 WELDING HELMET FRONT COVER LENS

Replaces lost or broken welding helmet lens. Polycarbonate material. Transparent Tint. Replacement welding lens dimensions 118 x 107.5 x 1mm.

WLD **777-1087**



ADF600S WELDING HELMET INNER COVER LENS

Replaces lost or broken welding helmet lens. Polycarbonate material. Transparent Tint. Replacement welding lens dimensions 95.9 x 47.2 x 1mm.

WLD **777-1088**



WLD **777-1460**



WLD **777-1453**



WLD **777-1473**



WLD **777-1462**



WLD **777-1481**

REPLACEMENT WELDING HELMET & GOGGLE-COVER LENSES

Item No.	Shade Type	No.	Color
WLD **777-1461**	Splatter-proof, 2" x 4½"	—	Clear
WLD **777-1460**	Splatter-proof (Set of 3), 2" x 4½"	—	Clear
WLD **777-1459**	Splatter-proof, 4½" x 5¼"	—	Clear
WLD **777-1712**	Heat-Treated, 2" x 4¼"	9	Light
WLD **777-1713**	Heat-Treated, 2" x 4½"	10	Medium
WLD **777-1476**	Heat-Treated, 2" x 4¼"	10	Gold
WLD **777-1456**	Heat-Treated, 2" x 4½"	11	Dark
WLD **777-1452**	Heat-Treated, 4½" x 5¼"	9	Light
WLD **777-1453**	Heat-Treated, 4½" x 5¼"	10	Medium
WLD **777-1457**	Heat-Treated, 4½" x 5¼"	10	Gold
WLD **777-1454**	Heat-Treated, 4½" x 5¼"	11	Dark
WLD **777-1473**	Heat-Treated (Round), 50mm	4	Light Green
WLD **777-1474**	Heat-Treated (Round), 50mm	5	Med. Green
WLD **777-1475**	Heat-Treated (Round), 50mm	6	Med. Dk Green
WLD **777-1484**	Heat-Treated, 2" x 4¼"	5	Med. Green
WLD **777-1462***	1.50 Diopter Magnifying Lens	—	Clear
WLD **777-1463***	2.00 Diopter Magnifying Lens	—	Clear
WLD **777-1481**	50mm (Pair, Round)	—	Clear

**** Fits** WLD* **777-1801** ***and discontinued** WLD* **777-1802** ***Helmet only.***

**** CAUTION: Not for ARC welding. For gas welding and cutting only.***
† CAUTION: Not to be used for welding and cutting.

PROTECTIVE GLASSES

Feature side shield and polycarbonate lenses.

WLD **777-1486†** Clear Lenses
WLD **777-1487†** Green Lenses



PROTECTIVE GLASSES

Polycarbonate lenses and dielectric frames. Green lenses.

WLD **777-1478†** Shade 2 Green Lenses
WLD **777-1479†** Shade 5 Green Lenses



CUP-TYPE GOGGLES

This item consists of one-piece molded plastic eye cups with a comfortable, face-fitting contour and lightproof ventilators to prevent fogging. Goggles come with a 50mm round shade 5 welding lens and a clear cover lens.

WLD **777-1467***



DELUXE CUP-COVER GOGGLES

Goggles have an opaque semi-flexible plastic body and fit comfortably over regular glasses. Lightproof ventilators prevent fogging. Goggles include a 50mm round 5 welding lens and a clear cover lens.

WLD **777-1470***



FLIP-UP COVERALL GOGGLES

Goggles fit over eyeglasses and have a flip-up lens with a stationary protective lens. Standard lens is round and measures 50mm.

WLD **777-1468***



LIFT-FRONT GOGGLES

Item features a soft flexible frame; these goggles are fully vented and fit comfortably over glasses. They come complete with a shade 5 lens and a clear cover lens. Goggles accommodate 2" x 4¼" magnifying lens for bifocal wearers.

WLD **777-1480***



WELDING

BOX-TYPE VINYL GOGGLES



Lightweight goggles fit comfortably over glasses. The flexible vinyl plastic conforms to facial contours and seals out light with maximum ventilation. They accommodate the 2" x 4¼" lens and includes shade 5 lens and cover lens.

WLD **777-1466***

**** CAUTION: Not for ARC welding. For gas welding and cutting only.***

REPLACEMENT WELDING GOGGLE ELASTIC HEADBANDS



Headband is for welding and other protective goggles. Size: ½" wide x 21" long. 4 Pack.

WLD **777-1485**

WELDING APPAREL

Flame Retardant Welder's Sateen Clothing

- Flame retardant and durable
- Treated with a special flame-resistant ammonia cure process
- Made of 100% cotton which is well-known for its comfort, and is essentially unchanged by the fabric treatment
- Fabric treatment will maintain its flame resistance through many commercial launderings
- Excellent for use in steel welding, petro-chemical, fabrication, utilities and various industries needing flame protection
- Sewn with Kevlar® Aramid
- Meets U.S. Government Specs, DOC-FF-77-75

WELDING JACKETS

- Weight: 9.5 oz. (270g) green sateen
- Snap front
- Full-length sleeves with a snap cuff
- Length: Full 30" (75cm)
- Stand-up collar



Item No.	Size
WLD **777-1491**	Large
WLD **777-1901**	X-Large
WLD **777-1902**	XX-Large
WLD **777-1903**	XXX-Large

WELDING JACKETS

Combines comfort, durability and protection against welding sparks and spatter. Made from chrome tanned select side-split cowhide and sewn with Kevlar® thread. Unique Weld-Cool design permits air ventilation on upper back and underarms to increase wearer comfort. Partial satin lining permits easy on-and-off. Jacket has inside pocket, soapstone holders, and durable snaps on front closure, wrist and collar. Each jacket is 30" long.



Item No.	Size
WLD **777-1054**	Large
WLD **777-1055**	X-Large
WLD **777-1056**	XX-Large
WLD **777-1057**	XXX-Large

WELDING APRON

- Weight: 9.5 oz. (270g) green sateen
- Sewn ties—standard



Item No.	Size
WLD **777-1490**	Large
WLD **777-1904**	X-Large
WLD **777-1905**	XX-Large
WLD **777-1906**	XXX-Large

WELDING BIB APRON



High-quality apron made from select side-split cowhide. Sewn with Kevlar® thread for added durability. Features a comfortable strap assembly with a quick-release buckle. Supplied with a two-compartment chest pocket. Aprons are 24" wide x 36" long.

WLD **777-1058**

WELDER'S BIB



Snap-on type bib. See item no. *WLD* **777-1492** for illustration of Welder's sleeves.

Item No.	Size
WLD **777-1493**	Large
WLD **777-1907**	X-Large
WLD **777-1908**	XX-Large

WELDER'S BIB SLEEVES



- Weight: 9.5 oz (270g) green sateen
- Snap front and stand-up collar
- Full-length sleeves with a snap cuff
- Size: Large
- Bib not included

WLD **777-1492**

TIG WELDER'S GLOVES



- Premium quality select top grain leather
- Exceptionally soft and pliable
- Withstands moisture
- Gunn pattern with straight thumb
- Welted thumb crotch
- Unlined for maximum dexterity
- Inseam construction 3" safety cuff
- Kevlar® sewn
- Length: 11"

WLD **777-1489**

NAPA WELDING

LEATHER WORK GLOVES

Premium-quality gloves are made of select side split leather. Soft pliable tanned work gloves are lightweight with lock-stitch construction. Full length: 9 in.

WLD **777-1472**



NAPA WELDING

WORK GLOVES

Superior-quality gloves have a select side split pearl gray leather palm, with finger-tips, wing thumb, full index finger and knuckle strap. They are made of a heavy cotton fabric back with elastic and come in size large only. Not to be used for welding.

WLD **777-1471**



NAPA WELDING

DELUXE WELDING GLOVES

These medium-quality soft, flexible gloves are expertly made of high-grade chrome-tanned leather. They are heat-resistant and provide full protection.

- Selected shoulder split leather
- One-piece back
- Gunn cut with wing thumb
- Fully welted seams
- Full sock-type lining
- Turned cuff for safety
- Lock-stitch construction

WLD **777-1465**



NAPA WELDING

ECONOMY WELDING GLOVES

For protection and comfort at the lowest cost, these full featured welder's gloves are ideal for the welder who desires all the important features at an affordable price.

- Selected pearl gray shoulder split leather
- One-piece back
- Gunn cut with wing thumb
- Fully welted seams
- Full sock-type lining
- Turned cuff for safety
- Lock-stitch construction

WLD **777-1488**



DELUXE LEATHER WELDING GLOVES

NAPA WELDING

Our best welding gloves! Special thermal lining resists heat.

- Shoulder split leather
- One-piece back
- Gunn cut with wing thumb
- Fully welted seams
- Full sock-type lining
- Turned cuff for safety
- Lock-stitch construction

WLD **777-1690**



NAPA WELDING

WELDING GLOVES

These amazingly comfortable gloves feature a unique design that conforms perfectly to your finger alignment and the movement of your thumb. Dramatically reduces hand fatigue in production applications. Features aluminum inner heat deflection and insulation for maximum hand protection.

WLD **777-1717**

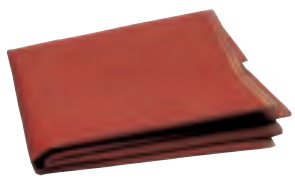


NAPA WELDING

WELDING BLANKET

- Fiberglass/silicone blanket protects surrounding areas from welding sparks
- Melting Temperature of 1,200 degrees
- Excellent on vertical planes
- Size: 38" x 24"

WLD **777-1501**



NAPA WELDING

WELDING BEANIES

Cotton.

WLD **777-1705** Large
WLD **777-1706** X-Large



NAPA WELDING

QUILTED SKULL CAP

Small-billed black cap is quilted for comfort and strength. Size: 7¼".

WLD **777-1450**



MARQUETTE BY LINCOLN ELECTRIC



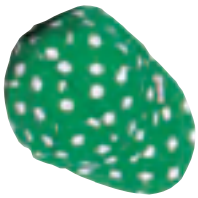
WELDING ACCESSORY KIT

Includes leather welding gloves, Shade #5 cutting goggles, flint striker with refills, chipping hammer, flat soapstone and holder, large wire brush and tip cleaner.

LNW **KH662**

CAUTION: Always wear eye and face protection.

WELDING


WLD **777-1695** *WLD* **777-1698** *WLD* **777-1701**

WELDING HATS

Hats are available in polka dot and camouflage patterns.

Item No.	Description	Size
WLD **777-1695**	Red Polka Dot	7 1/4"
WLD **777-1696**	Red Polka Dot	7 3/8"
WLD **777-1697**	Red Polka Dot	7 1/2"
WLD **777-1698**	Green Polka Dot	7 1/4"
WLD **777-1699**	Green Polka Dot	7 3/8"
WLD **777-1700**	Green Polka Dot	7 1/2"
WLD **777-1701**	Camouflage	7 1/4"
WLD **777-1702**	Camouflage	7 3/8"
WLD **777-1703**	Camouflage	7 1/2"

NOTE: Welding hats are 100% cotton, not fire retardant.

FOR ALL YOUR METAL WORKING SAFETY NEEDS
Including: gloves, glasses, respirators and hearing protection
PLEASE SEE THE SAFETY SECTION OF THE T&E CATALOG!

MARQUETTE BY LINCOLN ELECTRIC

WELDER'S HANDBOOK

Step-by-step instructions for flu-cored, MIG, TIG and oxy-acetylene welding.

LNW **KH500**



WELDING



WELDING TIP CLEANER KITS

Regular cleaning of welding tips assures the best welding flame and long tip life. Twelve scientifically designed stainless steel reamers come in a handy aluminum case. Drill sizes range from 49 to 75.

WLD **777-1420** 2" Drill Bit or Reamer Length
WLD **777-1425** 3" Drill Bit or Reamer Length

WELDING



SCRIBE

Scribe has a sharp tungsten carbide tip that cuts into hard surfaces and cuts clear marks into metal, glass, plastic and tools. It comes with a handy pocket clip.

WLD **777-1522**

WELDING



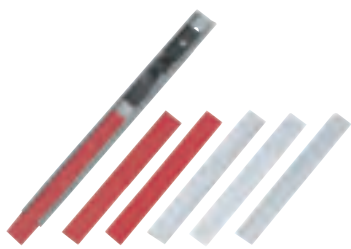
TIP DRILL SET

Set features an aluminum handle and collet with storage in the handle for 12 high-speed tip drills. Included are even number drill sizes from No. 52 to 74.

WLD **777-1507**

WELDING

THIN-LINE MARKING PENCIL SET



- Steel body
- Refill feed system features spring tension mechanism with push notch that holds the thin line refill firmly
- Comes with pocket clip
- Complete with three silver and three red refills

WLD **777-1510**

WELDING




WLD **777-1511** *WLD* **777-1512**

THIN-LINE MARKING PENCIL REFILLS

- Self-sharpening
- Marks on wet and dry surfaces
- Heat-resistant
- High-visibility colors

WLD **777-1511** Six Silver
WLD **777-1512** Six Red

WELDING



FLAT SOAPSTONE HOLDER

Steel holder comes with one soapstone.

WLD **777-1445**

WELDING



ROUND SOAPSTONE HOLDER

Aluminum holder comes with one soapstone and features a built-in sharpener.

WLD **777-1504**

CAUTION: Always wear eye and face protection.

WELDING

REPLACEMENT FLAT SOAPSTONES



WLD **777-1449** Package of 10
WLD **777-1693** Package of 144 (Gross Box)

REPLACEMENT ROUND SOAPSTONES



WLD **777-1506** Package of 10
WLD **777-1694** Package of 144 (Gross Box)

WRAP-AROUND MEASURING TAPE

Durable, versatile, double-ruled tape is never upside-down. Use both the top and bottom edges for layouts. 4" x 60".

WLD **777-1503**



CHIPPING HAMMER

Designed for cleaning flux and welding slag off metal, this hammer has a shock-reducing spring-type handle and a tough forged alloy steel head with a vertical chisel on one end and a long tapered point on the other.

WLD **777-1502**



CHIPPING HAMMER/BRUSH

Handy combination assures fast weld cleaning and slag removal.



WLD **777-1447**

WLD **777-1447** Hammer/Brush
WLD **777-1448** Replacement Brush

CHIPPING HAMMER

Designed to clean welding slag off metal, this hammer has a tough forged-alloy steel head with vertical chisel on one end, and a long tapered point on the other. Wooden handle.

WLD **777-1446**



WIDE WORK CLAMPS

Cables connect directly to wide-grip jaws.



WLD **777-1442** Capacity 500A
WLD **777-1688** Capacity 300A

WELDING CLAMPS

Jumper-cable-style with insulated grips and heavy-duty springs for long life. One pair.

WLD **777-1433**



WORK CLAMP

Clamps are made of a copper alloy for high conductivity. A broad flat base with beveled edges makes it easy to get under heavy flat work.



WLD **777-1441** Capacity 300A
WLD **777-1687** Capacity 400A

HEAVY-DUTY GROUND CLAMP

Copper alloy jaws, long-lasting rear spring, wide jaw for any position and connection for positive grounding. 300 Amps.



WLD **777-1430**

CABLE CONNECTOR SETS

Precision machined for special contour extended brass equipped with heat and oil-resistant molded covers that easily twist into position.



WLD **777-1426** No. 4 to No. 1
WLD **777-1427** No. 1 to No. 3/0

WLD **777-1426**

MULTI-PURPOSE MAGNETIC-HOLDER LAYOUT TOOLS

Heavy duty tools have a powerful magnet designed to hold ferrous metals at 45°, 90° and 135° angles. Use for welding, soldering, assembly, pipe installation, lifting, marking off or as a separator. With anisotropic ferrite magnet and steel plate finish (baked and FRP resin).



Item No.	Size (WxDxH)	Net Weight Up To	Supports/ Lifts	Direct
WLD **777-1632**	2" x 2½" x ½"	0.50 lbs.	30 lbs.	20 lbs.
WLD **777-1633**	2¾" x 3¼" x 9/16"	0.75 lbs.	45 lbs.	33 lbs.
WLD **777-1634**	2⅝" x 4 1/16" x ¾"	1.65 lbs.	85 lbs.	55 lbs.

PARALLEL BLADE RECEPTACLE

NEMA 6-50-R. Heavy-duty. Two-pole, three-wire grounding. Amps: 50. Volts: 230. UL approved.



WLD **777-1443**

PARALLEL BLADE PLUG

NEMA 6-50-P. Heavy-duty vinyl and plastic. Amps: 50. Volts: 230. UL approved.



WLD **777-1444**

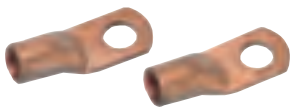
CAUTION: Always wear eye and face protection.

WELDING



CRIMPING TOOL
Heavy-duty tool has large opening for easy insertion.
WLD **777-1635**

SOLDER-TYPE CABLE LUGS
- Made from copper tubing
- Features extra-long barrel for easy soldering, swedging or crimping and the best possible connection
- Easy-to-use flared end for easy cable access
- Ideal for connecting broken lengths of cable and for adding on cable for long-runs
- Works with crimping tool *WLD* **777-1635**



WLD **777-1434**

Item No.	Cable Capacity	Standard Pack
WLD **777-1434**	6 ga.	2 piece
WLD **777-1435**	4 ga. to 6 ga.	2 piece
WLD **777-1436**	2 ga. to 6 ga.	2 piece
WLD **777-1437**	1 ga. to 2/0 ga.	2 piece

SOLDER-TYPE CABLE LUGS
Manufactured from copper tubing, with extra-long barrel for easy soldering or attaching by crimper for the best possible connection. Easy-to-use flared end for easy cable access. Works with *WLD* **777-1635** Crimping Tool. Pack of 10.
WLD **777-1431** 2 ga. to 6 ga.
WLD **777-1432** 1 ga. to 2/0 ga.



WLD **777-1431**

FOUR-WAY PICK SET
This handy set contains four tempered steel picks that screw into a knurled aluminum handle. Each tip is approximately 3" long.
WLD **777-1505**



WELDER'S DEBURRING TOOL
Excellent cutting action easily deburrs metal and plastic piping. Manufactured from heat-treated, tempered steel.
WLD **777-1514**



WELDER'S UTILITY KNIFE
Includes four, razor-sharp blade styles. Heavy-duty design and construction for long life, textured grip, and easy blade change design.
WLD **777-1513**



WELDING ANTI-SPATTER NOZZLE GEL
Product helps prevent spatter buildup on MIG nozzles. 16 oz.
WLD **777-1495**



WELDING ANTI-SPATTER SPRAY
Non-silicone spray reduces welding spatter and keeps welding nozzles and tips free from welding buildup. 16 oz.
WLD **777-1714**



FLEXIBLE-HANDLE MAGNET
Fifteen-inch, adjustable aluminum shaft enables you to retrieve objects at hard-to-reach angles and around obstacles. Perfect tool to pick up ferrous metal objects in hard-to-reach and remote areas. Nickel-plated neodymium, extra-high-flux magnet for greater pick-up. Outperforms the Alinco V magnets 4-to-1. Aluminum shaft will not work harden like copper. Cleans up fillings, scraps, etc. Perfect for retrieving tools dropped while working. Excellent for use underwater, in oil, etc. Aluminum grip, non-slip handle.
WLD **777-1508**



FLEXIBLE-HANDLE MIRROR
Fourteen-inch, aluminum shaft for ease-of-adjustment. Flexible handle offers almost limitless number of positions for viewing up to 360°. PVC (2" x 3½") with tough-coated backing. Acrylic mirror will not crack or break as easily as glass. Perfect for seeing welds inside pipes. Excellent for obstructive automotive repairs. Aluminum grip, non-slip handle.
WLD **777-1509**



LOCKING PLIER 2-JAW WELD CLAMPS
Positive-locking clamp holds two pieces of material together and holds both parts in proper alignment, even when material is not of identical thickness, leaving hands free.
WLD **777-1516**



LOCKING C-CLAMP PLIERS
Item features large C-clamp design which leaves room for maneuvering. Clamp has micro adjustment, and features a squeeze lock and an easy-release trigger.
WLD **777-1515**



CAUTION: Always wear eye and face protection.



NAPA WELDING

WLD **777-1919**

LOCK-JAW™ AUTO-ADJUSTING WELDING CLAMPS

Automatically locks on any size. Lockjaw™ patented locking mechanism allows the jaws to automatically adjust to any size object for simple, one-handed operation. Whether grabbing something thick or thin, Lock-jaw™ Automatic Locking Welding Clamps make jobs faster and easier.

Item No.	Description
WLD **777-1919**	7" C Clamp
WLD **777-1920**	7" C Clamp Swivel Pads
WLD **777-1921**	10" Small Body C Clamp
WLD **777-1922**	10" Small Body C Clamp
WLD **777-1923**	11" C Clamp
WLD **777-1924**	11" C Clamp Swivel Pads
WLD **777-1925**	19" C Clamp
WLD **777-1926**	19" C Clamp Swivel Pads



NAPA WELDING

WLD **777-1521**

MALLEABLE IRON C-CLAMPS

Clamps are designed to provide sure, non-slip clamping on all shapes. Copper-plated acme screw fights against slag and spatter build up.

Item No.	Description
WLD **777-1517**	2"
WLD **777-1518**	3"
WLD **777-1519**	4"
WLD **777-1520**	5"
WLD **777-1521**	6"

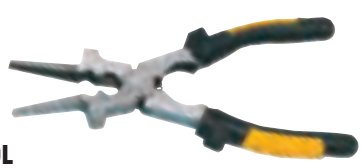
IRWIN



IRWIN VISE-GRIP® MIG WELDING PLIERS

- Features a specially-designed nose for efficient removal of welding spatter
- Induction-hardened cutting edge stays sharp longer; multiple jaws are available for drawing out wire and removing of installing tips and nozzles
- Hammer designed for light welding gun maintenance
- Spring-loaded for ease of use. Dipped grips for superior comfort
- Backed by the IRWIN® Tools VISE-GRIP® lifetime guarantee

VG **1873303**



NAPA WELDING

MIG GUN MULTI-USE TOOL

Spring-loaded specialty tool serves eight purposes and saves both time and energy. Spatter removal from inside and outside nozzle, and from nozzle end. Perfect for tip and nozzle removal/installation, hammering, wire cutting, pulling MIG wire through gun, and insulation bushing removal/installation.

WLD **777-1631**

NAPA WELDING

CABLE CUTTER

Heavy duty cable cutter is designed to cut welding cable, battery cable and power cable. Cuts gauge sizes up to 4/0 with simple one-hand operation.



WLD **777-1629**

WARNING: Will cut copper and aluminum cable only.

NAPA WELDING

SCRATCH BRUSHES

Metal frames with plastic handles.



WLD **777-1044**

Item No.	Description
WLD **777-1044**	Carbon Steel Bristles
WLD **777-1045**	Stainless Steel Bristles
WLD **777-1046**	Brass Bristles

NAPA WELDING



WLD **777-1047**

SMALL SCRATCH BRUSHES

WLD **777-1047** Brass Bristles
WLD **777-1048** Stainless Steel Bristles

NAPA WELDING



PLUMBER'S BRUSH

For cleaning inside and outside diameters of tubes and fittings.

WLD **777-1049**

NAPA WELDING



MEDIUM BRASS BRUSH

Features an easy grip curved handle. This soft bristle brush is great for cleaning soft metals. Rows: 2 x 9.

WLD **777-1001**

NAPA WELDING



STAINLESS STEEL BRUSH

This rust-resistant brush is well suited for removal of rust, scale, solder spatter, and paint. Other uses include metal parts cleaning and file cleaning. Rows: 3 x 19.

WLD **777-1038**

NAPA WELDING



SHOE-HANDLE BRUSH

Heavy duty carbon steel brush removes paint, scale, solder and much more. Rows: 4 x 16.

WLD **777-1041**

EVERCRAFT™



SHOE-HANDLE WIRE BRUSH

Designed for removing carbon and paint from metal surfaces. Unique handle design for maximum comfort. Wood handle for positive grip. 1" trim.

BK **776-9076**

CAUTION: Always wear eye and face protection.

NAPA WELDING



SMALL BRASS BRUSH
Works well for aluminum weld cleaning, especially in hard-to-reach places. Comfort curved handle provides protection from hand cuts and bruising. Light duty service. Rows: 3 x 7.
WLD **777-1000**

NAPA WELDING



STAINLESS STEEL BRUSH
Works well for weld cleaning, especially in hard-to-reach places. Comfort curved handle provides protection from hand cuts and bruising. Light duty service. Rows: 3 x 7.
WLD **777-1039**

NAPA WELDING



LONG-HANDLED SCRATCH BRUSH
High-quality carbon steel wire brush is a versatile, all-purpose cleaning tool. Rows: 3 x 19.
WLD **777-1040**

EVERCRAFT



CURVED HANDLE WIRE BRUSH
Designed for removing carbon, paint and corrosion from metal surfaces. Wood handle for positive grip. 13¾" long to get to hard to reach places. 1" trim.
BK **776-9075**

EVERCRAFT



SHOE WIRE SCRATCH BRUSH
Perfect for removing carbon and paint from metal surfaces. Wooden handle designed for maximum comfort and positive grip. Bristles have 1-inch trim.
BK **776-9076**

NAPA WELDING



SHOE HANDLE SCRATCH BRUSH WITH SCRAPER
Heavy-duty carbon steel bristles help removal of paint, scale, solder and more from a variety of surfaces such as metals, pipes, threads and welds. Brush includes rear scraper for additional surface cleaning. Scraper size: 1¾" W x ¾". Length: 11¼".
WLD **777-1095**

NAPA WELDING



REDUCER BUSHING SET
This set of heavy-duty reducing bushings are designed to adapt a 1¼" arbor hole on a Type 1 grinding wheel to fit a ½, ⅝, ¾ or 1" shaft.
WLD **777-1628**

NAPA WELDING



DRESSING STONE
This heavy-duty grinding wheel dressing stone is used to redress your Type 1 vitrified bench grinding wheels. Premium grade aluminum oxide, 24-grit (6" x 1" x 1"). Excellent for dressing bench grinding wheels. Very effective—maintains consistency.
WLD **777-1627**



BK **770-4704**



BK **770-4705**

MULTI-FUNCTION HEAT TOOL & KIT
Butane powered, featuring portable ergonomic design, 30–125 watt power range, visible fuel tank, and rapid tip heat up with a burn time of up to four hours per fill. *BK* **770-4704** includes: Blowtorch tip, 1.6 mm conical tip, spare orifice and vented safety cap. *BK* **770-4705** includes: Heat tool, 1.6 mm conical tip, 2.4 mm chisel, heat blower, hot knife, spare orifice, and heat reflector with accessories. A handy tool for performing field repairs or maintaining switch panels. Perfect for repairs on: Cars, trucks, planes, electrical components, and jewelry. Additional uses include: Environmental splicing, loosening rusted nuts and bolts, softening window caulk, welding plastics or shrink tubing, as well as soldering silver, circuit boards, TV cable systems, or sensitive IC boards.

BK **770-4704** Heat Tool
BK **770-4705** Complete Kit



BK **770-4712**



BK **770-4703**

MULTI-FUNCTION 30-100 WATT HEAT TOOL & KIT
Butane powered, featuring portable ergonomic design, 30–100 watt power range, comfort-grip, and rapid tip heat-up with a burn time of up to three hours per fill. *BK* **770-4703** includes: Blowtorch tip, 1.6 mm conical tip, spare orifice and vented safety cap. *BK* **770-4712** includes: Heat tool, 1.6 mm conical tip, 2.4 mm chisel, heat blower, hot knife, spare orifice, and heat reflector with accessories. A handy tool for maintaining switch panels or performing field repairs. Perfect for repairs on: Cars, trucks, planes, electrical components, and jewelry. Additional uses include: Environmental splicing, loosening rusted nuts and bolts, softening window caulk, welding plastics or shrink tubing, as well as soldering silver, circuit boards, TV cable systems, or sensitive IC boards.

BK **770-4703** Heat Tool
BK **770-4712** Complete Kit

CAUTION: Always wear eye and face protection.

MANUAL IGNITION SOLDERING IRON KIT



Handy, portable soldering tool is butane-powered, and features a bold, ergonomic design with a power range of 25–80 watts and a 90-minute burn time per fill. Light and balanced, this multi-function heat tool makes precise work quick and easy. Also features flint igniter in a safety cap and visible fuel tank. Kit includes: Blowtorch tip, 1 mm conical tip (S-01), hot knife (S-05), and heat blower (S-07) with accessories. Applications include: Electronic circuit, jewelry and eyeglass frame repair, as well as light gauge welding, dental wax corrections and light plumbing. Also beneficial for use in arts, crafts and model building, or to thaw frozen locks.

BK **770-4702**

HEAT GUN ADAPTER KIT



Rapid heat-up for immediate use. Wide nozzle and high-output, long-life catalyst provide infinitely adjustable heat levels. Heat deflector circulates heat and protects nearby work. Adapter kit for *BK* **770-4703** and *BK* **770-4704**.

BK **770-4715**

POCKET-SIZE BUTANE-POWERED SOLDERING IRON



Super-comfort size for access to tight areas. Thirty minute burn time per fill. Visible fuel tank. Complete portability. 30–70 watt power range. Applications: electrical/electronic circuit repair, light gauge welding, brazing, light plumbing, jewelry, eyeglass frame repair, model building, arts and crafts, dental wax corrections and thawing frozen locks.

BK **770-4707**

MULTI-FUNCTION SOLDERING IRON/HEAT TOOL KIT



Convenient hand-held tool. Kit includes: 10 mm and 3.2 mm chisel tips, 1.6 mm conical tip, hot blower, heat reflector, hot knife, tube of solder, sponge, wire brush, and a sturdy molded storage case to carry it all. Applications include: Automotive, truck, and aviation service and repairs. Also works great on heavy gauge or marine wire, and ground rods. A necessary tool for work on communication towers, or industrial cable repairs and installation.

BK **770-4714**

PRO-TORCH™ HEAVY-DUTY AUTOMATIC IGNITION TOOL



This heavy-duty torch provides the most powerful, stable butane flame (2,600° F/1,350° C) available. Its precision orifice and controls make it the best tool on the market for demanding jobs where the highest BTU output is required. Provides user-comfort at almost any angle. Designed to withstand the rigors of daily professional use. Features include: Ergonomic grip, separate controls for fuel and air, and a two-hour burn time per fill. Applications include: Dental repairs, brazing, soldering, plumbing and industrial maintenance, as well as repairs on cars, trucks and electronics. Great for tool and die shops.

BK **770-4706**

HAND-HELD PROFESSIONAL TORCH



Complete portability and unparalleled safety features make this torch a must in the workshop, garage or laboratory. Especially handy for repairs on vehicles and electronics. Features include: Automatic Piezo ignition, comfortable rubber grip, separate controls for fuel and air, four hour burn time (2,500° F/1,300° C), and a removable safety stand. Applications include: Welding, jewelry/dental repairs, and plumbing.

BK **770-4710**

PRO-TORCH™ BUTANE-POWERED AUTOMATIC TORCH



Child-resistant torch features an adjustable, high-output BTU flame (2,500°F/1,300°C). Sturdy, lightweight body is constructed of hi-tech polymers, while the internal brass and ceramic parts ensure precise operation and long life. Applications include: Brazing, soldering, plumbing, dental repairs, and industrial maintenance. Excellent for repairs on cars, trucks, and electronics. Also handy as a chef's torch, or for use in optometry labs. A necessary item for tool and die shops.

BK **770-4701**

PORTASOL SELF IGNITION PRO PIEZO



- ESD safe to protect sensitive components
- A lightweight, compact cordless butane soldering and hot air tool
- Piezo ignition with push-button ease and convenience, 25 watts to 75 watts
- Fast heat-up for high productivity, melts solder in less than 40 seconds
- Gas capacity allows up to 1 hour of continuous use, ample for most jobs
- Refills in less than 20 seconds so you can stay on the job
- Automatic cut-off switch when cap replaced for safety
- Can be used as a mini-torch with optional PPT12 flame tip

APX **P2C**

CAUTION: Always wear eye and face protection.

Weller

BUTANE MINI IRON PIEZO IGNITION



- Piezo electronic ignition system for reliable ignition every time
- Adjustable gas flow valve controls temperature range
- Tip temperature 750°F - 900°F
- Up to 30 minutes continuous use on medium setting
- Refillable with Weller WB1 or WB2 filtered butane
- Also operates as a mini-torch when the tip is removed
- Base allows tool to stand for hands free operation
- Safety cap can be replaced on tool for secure storage

APX **ML500MP**

Weller

MAGNA-LITE BUTANE TABLE TOP TORCH



- Piezo electronic ignition system for reliable ignition every time
- Adjustable flame height
- Up to 60 minutes continuous use controls flame temperature up to 2,400°F
- Child safety lock meets CPSC guidelines
- Refillable with Weller WB1 or WB2 filtered butane
- For heat shrink tubing, fusing rope ends, frozen locks, camping, first aid, labs, and boating

APX **ML200**

MICRO-JET™ ELECTRONIC IGNITION TORCH



Perfect for many do-it-yourself electronics and great for camping. Extended nozzle puts the flame where you need it. Heavy-duty and child-resistant. 2,400° F flame.

BK **770-4713**

BUTANE MICRO-TORCH



Automatic electronic Piezo ignition. Windproof ignition for outdoor use. Child-resistant. Perfect for any do-it-yourself job including jewelry, plumbing, automotive, electronics and camping. Fueled by included refillable fuel cell or disposable butane lighter. 2,400° F flame.

BK **770-4709**

REFILLABLE BUTANE TORCH WITH LED ACCENT LIGHT



A unique torch/lighter that's great for camping, hobbies, odd-jobs and soldering. Features automatic piezo ignition, adjustable flame knob, refillable butane torch.

BK **770-4700**

Weller

MAGNA-LITE BUTANE MICRO TORCH



- Piezo electronic ignition system for reliable ignition every time
- Blue LED light illuminates work in dark conditions
- Adjustable flame height
- Refillable with Weller WB2 filtered butane
- Nozzle cover prevents accidental ignition

APX **ML100**

Weller

PREMIUM BUTANE FUEL



- 1.0 oz premium quality butane fuel
- UPS shippable

APX **WB2**

BUTANE FUEL



Double-scrubbed and triple-filtered for use in butane powered tools and lighters. Universal filling tip can be used with most refillable butane applications.
Net weight: 5.1 oz.

BK **765-3038**

Weller

SOLDER GUN 260/200 WATT 120V PRO



- Professional heavy-duty gun
- Dual-heat gun produces 260 or 200 watts
- Pistol-grip design, ready to use in 6 seconds
- Fingertip trigger selects high (1st trigger position) or low output (2nd trigger position)
- Heavy gauge, high efficiency, tin-plated copper tip
- Twin lights illuminate work
- Contents: D550 soldering gun, 1 each soldering, smoothing, cutting tips
- Also contains a coil of lead free solder and instruction book
- 2-wire cord, UL and CUL listed

APX **D550PK**

Weller

140/100 WATT UNIVERSAL SOLDERING GUN KIT



- All purpose gun, 120V
- Dual heat gun produces 140 or 100 watts with pistol grip design
- Fingertip trigger selects high or low output
- Light illuminates work
- Contains soldering gun, smoothing tip, cutting tip and a coil of lead free solder

APX **8200PK**

CAUTION: Always wear eye and face protection.

NAPA WELDING

SOLDERING GUN



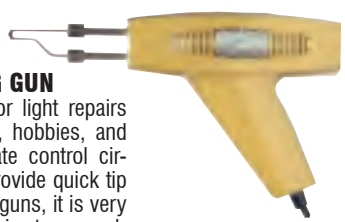
Ideal tool for all soldering! Applications include automobile, TV, radio, and other electrical repairs. Includes 1/4" tip and element assembly. Packed in plastic case. Watts: 150-400. Volts: 120. Weight: 14 oz. UL multiple listed.

BK **770-2527**

Item No.	Description
BK **770-2527**	Soldering Gun
BK **770-2540**	1/4" Tip and Element Assembly. 150-400 W.
BK **770-2541**	1/2" H.D. Tip and Element Assembly. 300-550 W
BK **770-9638**	Bulb

NAPA WELDING

LIGHTWEIGHT SOLDERING GUN



Multi-purpose soldering gun for light repairs on electrical work, electronics, hobbies, and crafts. Uses proven, solid state control circuitry to regulate power and provide quick tip heat. Unlike heavy transformer guns, it is very lightweight which makes it easier to use, allows better tip control and eliminates user fatigue. Hand grip trigger, slim extended shaft. Includes two replacement tips. U/L listed.

BK **770-2528**

Weller

140/100 WATT UNIVERSAL SOLDERING GUN



- All purpose gun, 120V
- Dual heat gun produces 140 or 100 watts with pistol grip design
- Fingertip trigger selects high or low output
- Light illuminates work

APX **8200D**

NAPA WELDING

GENERAL-PURPOSE MEDIUM-DUTY SOLDERING IRON



BK **770-2529**

For medium-duty, general-purpose work, such as minor repairs on heavier wiring, appliances, and stained glass. Also perfect for light repairs on sheet metal and automotive. Watts: 80. Volts: 120. Tip temperature: 970° F. Screwdriver tip: 3/8 inch.

BK **770-2529** Soldering Iron
BK **770-2549** 3/8" Chisel Tip

NAPA WELDING

GENERAL AUTO REPAIR SOLDERING IRON



For use in metalwork, auto repair shops, home workshops, and other areas where production soldering is not required. Includes 7/8-inch, replaceable tip. UL listed. Volts: 120. Watts: 125.

BK **770-2535**

Weller

PROFESSIONAL SELF-IGNITING CORDLESS BUTANE SOLDER KIT



- ESD safe to protect sensitive components
- Lightweight, compact and cordless
- Piezo ignition with push-button ease and convenience
- Fast heat up with 1 hour continuous use capacity
- Refills in less than 20 seconds

APX **P2KC**

Weller

SUPER-PRO SELF-IGNITING BUTANE SOLDERING IRON KIT



- Ideal for service technicians; anti-static soldering, heat shrink and cutting rope
- Self-igniting portable butane heat tool
- Auto switch safety shut-off
- Operates up to 2 hours per refill

APX **PSI100K**

NAPA WELDING

PENCIL-TYPE GENERAL-DUTY MEDIUM WIRE SOLDERING IRON



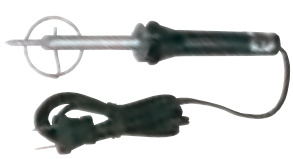
BK **770-2533**

For general light-duty soldering on electronics, medium wiring, TVs, radios, hobbies, and small appliances. Watts: 42. Volts: 120. Temperature: 900° F. Pointed tip: 1/4 inch.

BK **770-2533** Soldering Iron
BK **770-2548** 1/4" Cone Tip

NAPA WELDING

BK **770-2532**



PENCIL-TYPE LIGHT-DUTY SOLDERING IRON

Created specifically for intricate soldering. Quality-crafted and UL listed iron construction, featuring impact- and heat-resistant handle and stainless steel, durable shaft. Replaceable, nickel-plated copper, 5/32-inch pointed tip for very light duty and intricate soldering. Light weight for easier control. Perfect for electronic, radio, or TV repairs, as well as hobby applications. Two-wire cord. Watts: 25. Volts: 120. Tip Temperature: 850° F.

BK **770-2532** Soldering Iron
BK **770-2547** 5/32" Cone Tip Only

Weller

25-WATT LED SOLDERING IRON



- Three 5mm high-temperature, long-life LEDs for superior soldering accuracy and application illumination
- Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- High performance stainless steel heater technology with heat up to 750° F
- Cord strain relief for extended life

APX **SP25NUS**

CAUTION: Always wear eye and face protection.

Weller

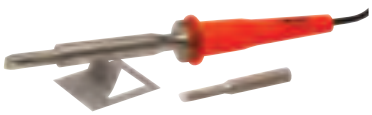


40-WATT LED SOLDERING IRON

- Three 5mm high-temperature, long-life LEDs for superior soldering accuracy and application illumination
- Co-molded soft grip ribbed handle design for maximum comfort and reduced slippage
- High performance stainless steel heater technology with heat up to 900° F
- Cord strain relief for extended life

APX **SP40NUS**

Weller

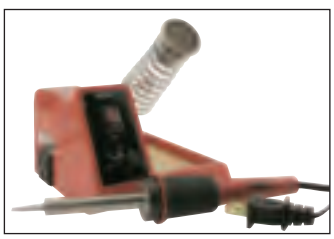


80-WATT MARKSMAN SOLDERING IRON

- New indicator light Allows You to instantly see the iron is on
- Soldering iron rest included

APX **SPG80L**

Weller



40-WATT SOLDERING STATION

- On/Off switch with power-on indicator light
- Variable power control produces 5 - 40 watts
- Quality lightweight pencil iron
- Safety guard iron holder and natural sponge tip cleaning pad

APX **WLC100**

Weller



PRO SERIES HIGH PERFORMANCE SOLDERING IRON

- Red power-on LED changes to green when iron ready
- LED work light illuminates working surface in low-light conditions
- Co-molded grip for a comfortable feel
- Tool is designed to be self standing

APX **WPS18MP**



MAGNETIC SOLDERING CLAMP

Offers an extra pair of hands when soldering. Alligator clamps firmly hold wire and small parts when soldering. Flexible design allows different ways to attach and hold wire. Clips and base are magnetic and can be attached to any ferrous surface. Base is also hex-shaped and can fit in a vise when needed.

SER **77-4025**

NAPA WELDING



SOLID WIRE SOLDER BAR

For use in general purpose applications.

Item No.	Alloy Percentage	Dimensions	Wt.	Melt Temp °F/°C
WLD **40601**	40 / 60 Tin - Lead	1/4" x 7/8" x 13"	1 lb.	460/238

NAPA WELDING



SOLID WIRE SOLDER

WLD **13505**

For general purpose applications.

Item No.	Wire Description	Prod. Dia.	Wt.	Melt Temp °F/°C
WLD **13505**	50 / 50 Tin - Lead	.125"	1 lb.	460/238
WLD **33505**	50 / 50 Tin - Lead	.125"	4 oz.	460/238
WLD **23505**	50 / 50 Tin - Lead	.125"	8 oz.	460/238

NAPA WELDING



SOLID WIRE SOLDER

Electrical solders are used in everything from household appliances to hi-tech devices including TVs, radios, electronic tools and wire repair.

Item No.	Wire Description	Prod. Dia.	Wt.	Melt Temp °F/°C
WLD **13124**	3.3 / 2.2 / 94.5	.125" Tin - Antimony - Lead	1 lb.	460/238

NAPA WELDING



LEAD-FREE SOLDER

WLD **13955**

Lead-free solid wire solder for general-purpose applications.

Item No.	Wire Description	Prod. Dia.	Wt.	Melt Temp °F/°C
WLD **13955**	95 / 5 Tin - Antimony	.125"	1 lb.	460/238
WLD **23955**	95 / 5 Tin - Antimony	.125"	8 oz.	460/238

NAPA WELDING



ACID CORE FLUX

Lead-free acid core solder for general purpose applications. 16 oz.

WLD **13945**

NAPA WELDING



ROSIN FLUX CORE SOLDER

WLD **13460**

Electrical solder for use in everything from household appliance to hi-tech devices including TVs, radios, electronic tools and wire repair.

Item No.	Wire Description	Prod. Dia.	Wt.	Melt Temp °F/°C
WLD **13460**	60 / 40 Tin - Lead	.05"	.75 oz.	460/238
WLD **31406**	40 / 60 Tin - Lead	.093"	4 oz.	460/238
WLD **21406**	40 / 60 Tin - Lead	.093"	8 oz.	460/238
WLD **51406**	40 / 60 Tin - Lead	.062"	.9 lb.	460/238
WLD **31604**	60 / 40 Tin - Lead	.062"	4 oz.	460/238
WLD **11124**	3.3 / 2.2 / 94.5 Tin - Antimony - Lead	.125"	1 lb.	460/328
WLD **11406**	40 / 60 Tin - Lead	.093"	1 lb.	460/238
WLD **11643**	60 / 40 Tin - Lead	.032"	1 lb.	460/238
WLD **15604**	60 / 40 Tin - Lead	.05"	1 lb.	460/238
WLD **13640**	60 / 40 Tin - Lead	.125"	1 lb.	460/238
WLD **13461**	60 / 40 Tin - Lead	.032"	.5 oz.	460/238

CAUTION: Always wear eye and face protection.

NAPA WELDING

ACID FLUX CORE SOLDER



For non-electrical repairs. Applications include: sheet metal, automotive radiators, and tools. Not recommended for plumbing repairs.

WLD **32406**

Item No.	Wire Description	Prod. Dia.	Wt.	Melt Temp °F/°C
WLD **32406**	40 / 60 Tin – Lead	.125"	4 oz.	460/238
WLD **22406**	40 / 60 Tin – Lead	.125"	8 oz.	460/238
WLD **52406**	40 / 60 Tin – Lead	.062"	.9 oz.	460/238
WLD **12124**	3.3 / 2.2 / 94.5 Tin - Antimony – Lead	.125"	1 lb.	460/238
WLD **12406**	40 / 60 Tin – Lead	.125	1 lb.	460/238

ROSIN CORE FLUX



Rosin core flux for use in everything from household appliances to hi-tech devices including TVs, radios, electronic tools and wire repair. .5 oz.

WLD **13463**

SOFT SILVER SOLDER & FLUX KIT



WLD **53982**

Cored solder for metal bonding. High strength for automotive and general maintenance applications.

Item No.	Wire Description	Prod. Dia.	Wt.
WLD **53982**	98 / 2 Tin – Silver	.062"	.75 oz.
WLD **53500**	44 / 56 Tin – Silver	.029"	.21 oz.

ACID LIQUID FLUX



For non-electrical applications including sheet metal, automotive radiators, and tools. Not recommended for plumbing repairs. 3 oz.

WLD **51022**

ROSIN CORE LIQUID SOLDERING FLUX



Electrical solders are used in everything from household appliance to hi-tech devices including TVs, radios, electronic tools and wire repair. 16 oz.

WLD **11604**

ACID PASTE FLUX



Solder paste flux for non-electrical applications. Not recommended for plumbing repairs. 2 oz.

WLD **51012**

ACID PASTE FLUX & APPLICATOR BRUSH



For non-electrical repairs. Applications include: sheet metal, automotive radiators, and tools. Not recommended for plumbing repairs. 2 oz.

WLD **51011**

WATERFLOW 2000 WATER SOLUBLE PASTE FLUX



Electrical solders are used in everything from household appliances to high-tech devices including TV, radio, electronic tools and wire repair. 2 oz.

WLD **51053**

WATER SOLUBLE FLUX



Water soluble flux for general purpose applications and plumbing repair. 1 lb.

WLD **51055**

SOLDERING FLUX BRUSHES



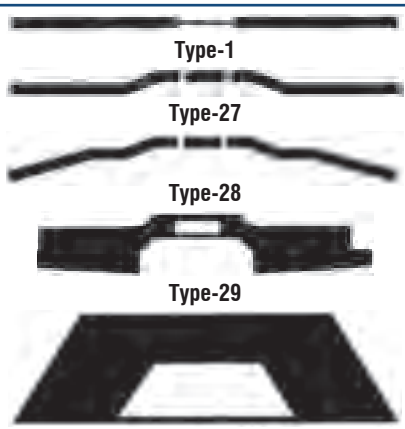
WLD **777-1062**

WLD **777-1037** One Brush

WLD **777-1043** Three-Brush Pack

ABRASIVES

NAPA's selection of cutting, grinding and surface prep wheels offers you a wide selection of cutting accessories. From the most delicate projects to the most demanding applications NAPA abrasives are up to the challenge. Manufactured of top grade materials and tested to meet stringent safety codes these accessories get it done.



Type-1

Type-27

Type-28

Type-29

Type-11

WHEEL TYPES

When choosing an abrasive product the type of tool you select and the kind of material you will be cutting are two important considerations. In general a small or large angle grinder is recommended for use with Type-1, Type-11, Type-27, Type-28 and Type-29 cutting wheels. Chop saws, portable saws and "road saws" normally require a 12" or 14" cut off blade. Remember not to exceed the maximum RPM stated on the wheel to ensure safe operation of the tool.

WARNING: Grinding wheels that are improperly used are dangerous! BE SAFE - PROTECT YOURSELF!! For complete and detailed safety information, see A.N.S.I. SAFETY CODE B7.1-1978.

WARNING: Avoid inhalation of dust generated by grinding and cutting operations. Exposure to dust may cause respiratory ailments. Use approved NIOSH or MSHA respirators, safety glasses or face shields, gloves, and protective clothing. Provide adequate ventilation to eliminate dust, or to maintain dust level below the Threshold Limit Value for nuisance dust as classified by OSHA.

CAUTION: Abrasive users and others in the area must wear goggles or face shields over safety glasses.

CAUTION: Always wear eye and face protection.

NAPA WELDING

STEEL CUTTING

TYPE-27: STEEL CUTTING

Aluminum oxide metal cutting wheels. Designed for metal cutting, abrasion, body work, metal fabrication and general repair work. Used on ferrous materials. Designed to be used with angle grinders with the proper adapters.

NAPA WELDING

TYPE 27 CUT-OFF WHEEL – 4-1/2 IN.

Metal



Fits air or electric angle grinders for use as a large cut-off tool. Fits NAPA® and other popular brands of electric tools. For cutting use only.
Maximum RPM: 13,300. Diameter: 4.5".
Arbor: 7/8". Thickness: 0.050". Grit: 46. Quantity: 5.
WLD **777-1847**

TYPE-1 : STEEL CUTTING

Aluminum oxide metal cutting wheels. Designed for metal cutting, abrasion, body work, metal fabrication and general repair work. Used on ferrous materials. Designed to be used with die grinders, angle grinders, and circular saws with the proper adapters.



WLD **777-1622**



WLD **770-6472**



WLD **777-1589**

TYPE-1 STEEL CUT-OFF WHEELS

Metal

High-quality, reinforced fiberglass wheels for die grinders, angle grinders, and circular saws.

Specifications

Dia. x Thickness	Arbor	Max. RPM	Qty.	Item No.
3" x 1/32"	3/8"	25,000	10	*WLD* **777-1622**
3" x 1/16"	1/4"	25,000	10	*WLD* **777-1569**
3" x 1/16"	3/8"	25,000	10	*WLD* **777-1570**
3" x 1/8"	1/4"	25,000	5	*WLD* **777-1571**
3" x 1/8"	1/4"	25,000	5	*WLD* **777-1572**
4" x 1/32"	3/8"	15,300	10	*WLD* **777-1623**
4" x 1/16"	3/8"	15,300	10	*WLD* **777-1573**
4" x 1/16"	5/8"	15,300	10	*WLD* **777-1575**
4" x 1/8"	3/8"	15,300	10	*WLD* **777-1574**
4 1/2" x 3/32"	3/8"	13,300	10	*WLD* **777-1576**
4 1/2" x 3/32"	7/8"	13,000	10	*WLD* **777-1900**
7" x 1/8"	Diamond	7,600	1	*WLD* **777-1605**
12" x 1/8"	1"	6,300	1	*WLD* **770-6472**
12" x 1/8"	1"	5,100	1	*WLD* **770-6471**
12" x 7/64"	1"	5,100	1	*WLD* **770-6473**
14" x 7/64"	1"	4,400	1	*WLD* **770-6476**
14" x 1/8"	1"	5,400	1	*WLD* **770-6475**
14" x 1/8"	1"	4,400	1	*WLD* **770-6474**
12" x 3/32"	1"	5,000	1	*WLD* **777-1589**
14" x 3/32"	1"	4,400	1	*WLD* **777-1590**



Metal

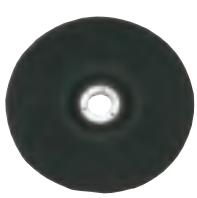
TYPE-1 REINFORCED CUT-OFF WHEEL – 2 IN.

Two-inch diameter, 60-grit wheel for use in mini grinders. Aluminum-oxide, construction for long life with round arbor hole. Arbor Diameter: 3/8". Thickness: 1/32". Maximum RPM: 30,000. Quantity: 5.
WLD **777-1079**

ALUMINUM CUTTING

TYPE-27: ALUMINUM CUTTING

Aluminum oxide metal cutting wheels. Designed for metal cutting, abrasion, body work, metal fabrication and general repair work. Used on aluminum and other non ferrous materials. Designed to be used with angle grinders with the proper adapters.

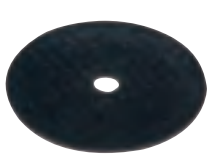


Metal

TYPE-27 ALUMINUM GRINDING WHEEL – 7 IN.

Fast-cutting, aluminum oxide wheel is ideal for cutting aluminum, non-ferrous metal and greasy materials. Provides extremely high grinding performance and soft grinding properties. Diameter x Thickness: 7" x 1/4". Arbor: 5/8" x 11 NC. Maximum RPM: 8,500.
WLD **777-1625**

STAINLESS STEEL CUTTING



WLD **777-1746**

Metal

TYPE-1 ZIRCONIA CUT-OFF WHEELS – 3 IN.

Include a special formula that provides more than twice the life of regular cut-off wheels, and outlasts most other brands constructed of Zirconia. Ideal for stainless steel applications. Maximum RPM: 25,000. Diameter: 3" x 1/16". Arbor Size: 3/8".

Item No.	Description
WLD **777-1746**	1/32" Thick
WLD **777-1745**	1/16" Thick

CAUTION: Always wear eye and face protection.

MULTI-PURPOSE CUTTING

TYPE-1 : CUTTING/GRINDING/SANDING WHEELS

Silicon fiber and fiberglass reinforced. Used primarily on ceramic, masonry, plastic and other non-ferrous materials. Quality made and proven fast, safe, and dependable. NAPA offers a circular saw version and chop saw versions.



NAPA WELDING

WLD **770-6820**

Metal

TYPE-1 CUTTING/GRINDING/SANDING WHEELS

Reinforced abrasive cut-off wheels are ideal for many body shop and automotive applications.

Specifications

Dia. x Thickness	Arbor	Grit	Mx. RPM	Qty.	Item No.
3" x 1/32"	1/4"	60	22,000	10	*WLD* **770-6458**
3" x 1/32"	3/8"	60	25,000	6	*WLD* **770-6453***
3" x 1/32"	3/8"	60	25,000	100	*WLD* **770-6518**
3" x 1/16"	1/4"	54	21,000	10	*WLD* **770-6455**
3" x 1/16"	3/8"	46	25,000	100	*WLD* **770-6516**
3" x 1/16"	3/8"	54	25,000	6	*WLD* **770-6451***
3" x 1/16"	3/8"	54	25,000	10	*WLD* **770-6452**
3" x 1/16"	3/8"	54	25,000	100	*WLD* **770-6517**
3" x 1/32"	1/4"	60	25,000	100	*WLD* **770-6519**
4" x 1/32"	5/8"	54	22,000	10	*WLD* **770-6461**
4" x 1/16"	1/4"	54	22,000	10	*WLD* **770-6494**
4" x 1/16"	7/8"	46	22,000	10	*WLD* **770-6499**
4" x 3/32"	5/8"	Makita	22,000	10	*WLD* **770-6459**
4" x 1/8"	5/8"	46	22,000	10	*WLD* **770-6464**
4" x 1/8"	7/8"	46	22,000	10	*WLD* **770-6498**
7" x 1/8"	7/8"	24	7,750	1	*WLD* **770-6827**
7" x 1/8"	5/8"-11	24	7,750	1	*WLD* **770-6820**
9" x 1/8"	5/8"-11	24	6,000	1	*WLD* **770-6822**

**** Mandrel included.***



Metalworx™

Metal

TYPE-1 CUT-OFF WHEELS

Durable fiberglass reinforced wheels are coated with aluminum oxide for fast and efficient cutting. Arbor shape is round.

Item No.	Thickness	Diameter	Max. RPM	Arbor Size	Pkg.
WLD **899-2416**	1/16"	4.5"	13,300	7/8"	24
WLD **899-2417**	1/8"	12"	6,400	1"	12

TYPE-27 : CUTTING/GRINDING/SANDING WHEELS

Silicon fiber and fiberglass reinforced. Used primarily on ceramic, masonry, plastic and other non-ferrous materials. Quality made and proven fast, safe, and dependable. NAPA offers a circular saw version and chop saw versions.



Metalworx™

METALWORX™ DEPRESSION CENTER CUT-OFF WHEELS

Durable fiberglass reinforced wheels are coated with aluminum oxide for fast and efficient cutting. Arbor shape is round.

Metal

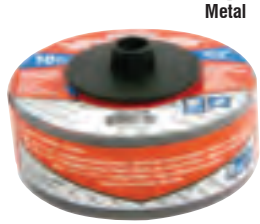
Item No.	Thickness	Diameter	Max. RPM	Arbor Size	Pkg.
WLD **899-2418**	1/8"	4.5"	13,300	7/8"	12
WLD **899-2419**	1/4"	4.5"	13,300	7/8"	10

Metalworx™

Metal

METALWORX™ 10 PC. GRINDER WHEEL KIT

Metal abrasive wheel kit.



Specifications

Mounting hole diameter:..... 7/8"
Cut-Off wheel thickness: .....1/16", 1/4"
Cut-Off wheel diameter:.....4"
Maximum RPM: .....13,300.
Use with
mandrel types: ..... 5/8" Arbor hole.

Content

Qty.	Description
4	4.5" x .25" x .88" depressed center
4	4.5" x .13" x .88" depressed center
2	4.5" x 1/16" x .88" wheels

WLD **899-2420**



3M

MMM **01987** *MMM* **01988**

3M™ GENERAL-PURPOSE CUT-OFF WHEEL

Used for cutting auto body sheet metal, frame rails, exhaust pipes, clamps and rusted bolts. For use on utility type cut-off tools. **DO NOT USE TOOLS WITHOUT GUARDS.**

Item No.	Size	Wheels/Case
MMM **01987**	3" x 1/32" x 3/8"	50
MMM **01988**	3" x 1/16" x 3/8"	50

CAUTION: Always wear eye and face protection.

STEEL GRINDING

TYPE-27 STEEL GRINDING

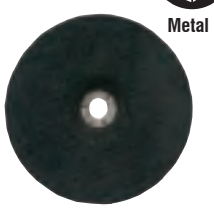
Aluminum Oxide and zirconium grinding wheels. Designed for metal cutting, abrasion, body work, metal fabrication and general repair work. Used on ferrous materials. Designed to be used with Angle Grinders with the proper adapters.

NAPA WELDING

Metal

TYPE-27 STEEL GRINDING WHEELS

Hubless grinding wheels are made from the highest-quality aluminum oxide and bonding materials. Designed for use on air- or electric-powered, right-angle or vertical shaft grinders. Ideal for automotive body work and metal fabrication.



WLD **777-1578**

Specifications

Dia. x Thick.	Arbor	Max. RPM	Qty.	Item No.
4" x 1/8"	5/8"	13,700	4	*WLD* **777-1578**
4" x 1/4"	5/8"	13,700	3	*WLD* **777-1579**
4 1/2" x 1/4"	7/8"	11,900	3	*WLD* **777-1580**
5" x 1/4"	7/8	11,900	1	*WLD* **777-1581**
7" x 1/4"	7/8"	8,500	1	*WLD* **777-1583**
9" x 1/4"	7/8"	6,500	1	*WLD* **777-1585**

NAPA WELDING

Metal

TYPE-27 STEEL GRINDING WHEELS

Discs flex to follow contoured surfaces and perform on a wide range of materials. Sit lightly on work surface, absorbing frictional impacts and vibrations for right-angle grinders. Reduce operator fatigue and provide longer life than fiber discs. Ideal for smooth grinding and fine-finish operations. For use with a supporting pad. Thickness: 1/8".



WLD **777-1643**

Specifications

Dia.	Arbor	Grit	Max. RPM	Item No.
4"	5/8"	36	13,700	*WLD* **777-1643**
4"	5/8"	60	13,700	*WLD* **777-1644**
7"	7/8"	36	8,500	*WLD* **777-1645**
7"	7/8"	60	8,500	*WLD* **777-1646**

NAPA WELDING

Metal

TYPE-27 THREADED GRINDING WHEELS

Arbor: 5/8" x 11 NC. Thickness: 1/4".



WLD **777-1624**

Item No.	Description
WLD **777-1624**	4 1/2" Diameter; Max. RPM: 11,900
WLD **777-1582**	7" Diameter; Max. RPM: 8,500
WLD **777-1584**	9" Diameter; Max. RPM: 6,500



WLD **777-1076**

NAPA WELDING

Metal

TYPE-27 STEEL GRINDING WHEELS – 2 IN.

Two-inch diameter wheels for use in mini grinders. Aluminum-oxide, construction for long life with round arbor hole. Arbor Diameter: 3/8". Thickness: 1/8". Maximum RPM: 25,000. Quantity: 5.

Item No.	Description
WLD **777-1076**	60-Grit
WLD **777-1077**	80-Grit
WLD **777-1078**	120-Grit

DEWALT



DEW **DW8426H**

HP HIGH Performance





DEW **DW8750**

TYPE-27 BONDED ABRASIVES

Item No.	Dia.	Thickness	Arbor	Grit	Max Rpm	Pack Qty.
.045" Metal & Stainless Cutting						
DEW **DW8424**	4 1/2"	.045"	7/8"	A60T	13,300	25
DEW **DW8424H**	4 1/2"	.045"	5/8"-11	A60T	13,300	10
DEW **DW8427**	7"	.045"	7/8"	A60T	8,700	25
DEW **DW8427H**	7"	.045"	5/8"-11	A60T	8,700	25
3/32" Metal Cutting & Notching						
DEW **DW8750**	4 1/2"	3/32"	7/8"	A24R	13,300	25
DEW **DW8751**	4 1/2"	3/32"	5/8"-11	A24R	13,300	10
DEW **DW8756**	7"	3/32"	7/8"	A24R	8,700	10
DEW **DW8757**	7"	3/32"	5/8"-11	A24R	8,700	10
1/8" Pipeline Metal & Stainless Cutting & Grinding						
DEW **DW4418**	4"	1/8"	5/8"	A24R	15,200	25
DEW **DW8434**	4 1/2"	1/8"	7/8"	A24R	13,300	25
DEW **DW8435**	4 1/2"	1/8"	5/8"-11	A24R	13,300	10
DEW **DW8484**	5"	1/8"	7/8"	A24R	12,200	25
DEW **DW8486**	7"	1/8"	7/8"	A24R	8,700	10
DEW **DW8437**	7"	1/8"	5/8"-11	A24R	8,700	10
1/4" Metal & Stainless Grinding						
DEW **DW4419**	4"	1/4"	5/8"	A24R	15,200	25
DEW **DW4514**	4 1/2"	1/4"	7/8"	A24R	13,300	25
DEW **DW4523**	4 1/2"	1/4"	5/8"-11	A24R	13,300	10
DEW **DW4619**	5"	1/4"	7/8"	A24R	12,200	25
DEW **DW4719**	7"	1/4"	7/8"	A24R	8,700	10
DEW **DW4999**	7"	1/4"	5/8"-11	A24R	8,700	10
DEW **DW4954**	9"	1/4"	5/8"-11	A24R	6,600	10

CAUTION: Always wear eye and face protection.

TYPE-28: STEEL GRINDING



Aluminum Oxide metal grinding wheels. Designed for metal grinding, metal abrasion, body work, metal fabrication and general repair work. Used on non ferrous materials. Designed to be used on Angle Grinders. Hat shaped grinding wheel is designed to perform at a 10 to 15 degree grinding angle to avoid operator fatigue one might experience with a type 27 wheel that cuts at a 30-40 degree angle. This unique shape delivers more abrasive grain to the work surface to ensure maximum material removal.

NAPA WELDING



TYPE-28 STEEL GRINDING WHEELS

Type-28 wheels are ideal for grinding on flat surfaces, cornering and pipeline work. Depressed-center wheels with built-in grinding angle allow flat grinding and provide faster results than Type-27 wheels. Arbor: 5/8" x 11 NC. Thickness: 1/4".



WLD **777-1641**

WLD **777-1641** 7" Diameter; Max. RPM: 8,500
WLD **777-1642** 9" Diameter; Max. RPM: 6,500

TYPE-11 CUP WHEEL

Designed for removal of large amounts of stock.



NAPA WELDING



TYPE-11 GRINDING CUP WHEEL

General-purpose, 16-grit grinding wheel designed to remove large deposits. Resinoid bond. Dimensions: 5" x 3 3/4" x 2". Threaded Arbor: 5/8" x 11 NC. Maximum RPM: 7,260.



WLD **777-1603**

ALUMINUM GRINDING

TYPE-27 ALUMINUM GRINDING



Aluminum Oxide and silicon carbide aluminum grinding wheels. Designed for aluminum grinding, body work, fabrication and general repair work. Used on non ferrous metals. Designed to be used with angle grinders.

NAPA WELDING



TYPE-27 ALUMINUM GRINDING WHEEL

Fast-cutting, aluminum oxide wheel is ideal for cutting aluminum, non-ferrous metal and greasy materials. Provides extremely high grinding performance and soft grinding properties. Diameter x Thickness: 7" x 1/4". Arbor: 5/8" x 11 NC. Maximum RPM: 8,500.



WLD **777-1625**

GRINDING DISCS



NAPA WELDING



WLD **777-1720**

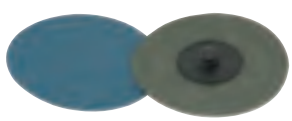
TYPE-27 ALUMINUM OXIDE MINI GRINDING DISCS

Aggressive, resin fiber mini discs feature tough aluminum oxide grains and fit mini air grinders for easy access in tight areas. Feature heavy backing material, like NAPA A39 Resin Fiber Discs. Equipped with Roloc®-style button, which will fit any 3M®-style or NAPA backing pad (Two-Inch Pad, *WLD* **777-1539**/ Three-Inch Pad, *WLD* **777-1534**). Ideal for aggressive weld grinding and adding non-directional finishes on rotors. Resist chipping, snagging or cracking.

Specifications

Dia.	Grit	Max. RPM	Qty.	Item No.
2"	36	25,000	10	*WLD* **777-1720**
2"	36	25,000	25	*WLD* **777-1719**
2"	50	25,000	10	*WLD* **777-1722**
2"	50	25,000	25	*WLD* **777-1721**
2"	80	25,000	10	*WLD* **777-1724**
2"	80	25,000	25	*WLD* **777-1723**
3"	36	20,000	10	*WLD* **777-1726**
3"	36	20,000	25	*WLD* **777-1725**
3"	50	20,000	10	*WLD* **777-1728**
3"	50	20,000	25	*WLD* **777-1727**
3"	80	20,000	10	*WLD* **777-1730**
3"	80	20,000	25	*WLD* **777-1729**

NAPA WELDING





WLD **777-1732**

ZIRCONIA RESIN FIBER GRINDING DISCS

Extra long-life zirconia discs last longer and withstand more aggressive grinding than aluminum oxide discs. Ideal for grinding hardened or stainless steel, and aluminum.

Specifications

Dia.	Grit	Max. RPM	Qty.	Item No.
2"	36	25,000	10	*WLD* **777-1732**
2"	36	25,000	25	*WLD* **777-1731**
2"	50	25,000	10	*WLD* **777-1734**
2"	50	25,000	25	*WLD* **777-1733**
2"	80	25,000	10	*WLD* **777-1736**
2"	80	25,000	25	*WLD* **777-1735**
3"	36	20,000	10	*WLD* **777-1738**
3"	36	20,000	25	*WLD* **777-1737**
3"	50	20,000	10	*WLD* **777-1740**
3"	50	20,000	25	*WLD* **777-1739**
3"	80	20,000	10	*WLD* **777-1742**
3"	80	20,000	25	*WLD* **777-1741**

CAUTION: Always wear eye and face protection.

MASONRY & ASPHALT CUTTING

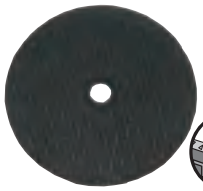
TYPE-1 : MASONRY & ASPHALT CUTTING

Silicon fiber and fiberglass reinforced. Used primarily on ceramic, masonry, plastic and other non-ferrous materials. Quality made and proven fast, safe, and dependable. NAPA offers a Circular Saw version and two chop saw versions.

NAPA WELDING

TYPE-1 MASONRY CUT-OFF WHEELS

Fast-cutting, double-reinforced abrasive wheels for general-purpose masonry cutting. Silicon-carbide construction provides a smooth cut on brick, concrete, and natural or artificial stones. Can also cut ceramic, plastic and other non-metallic materials.





Masonry

WLD **777-1636**

Specifications

Dimensions	Arbor	Max. RPM	Item No.
7" x 1/8"	5/8" Diamond	8,700	*WLD* **777-1636**
12" x 1/8"	1"	5,100	*WLD* **777-1637**
14" x 1/8"	1"	4,400	*WLD* **777-1638**

MASONRY GRINDING

TYPE-27: MASONRY

Silicon carbide and dual fiberglass reinforced. Used primarily on cement, masonry, plastic and other non ferrous metals. Designed for use with angle grinders.

NAPA WELDING

TYPE-27 MASONRY GRINDING WHEELS

Ultra high-quality masonry wheels offer a unique combination of strength and performance. Designed for general-purpose grinding or shaping of concrete and other masonry products. Arbor: 5/8" x 11 NC. Thickness: 1/4".





Masonry

WLD **777-1639**

WLD **777-1639** 4" Diameter; Max. RPM: 13,700
WLD **777-1640** 7" Diameter; Max. RPM: 8,500

BENCH GRINDING

TYPE-1: BENCH GRINDING WHEELS

Vitrified bond, aluminum oxide. Designed for most stationary bench grinders. For general grinding and sharpening applications on mild steel.

NAPA WELDING

TYPE-1 BENCH GRINDING WHEEL – 6 IN.

Made of silicon carbide grain. Diameter: 6". Hole Size: 1". Grit: 120.
Note: Include 1/2, 5/8 and 3/4 inch reducer bushings.



Metal

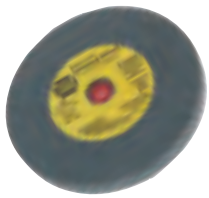
BK **770-6527** 3/4" Thick
BK **770-6525** 1/2" Thick

GENERAL-PURPOSE GRINDING WHEELS

NAPA WELDING



WLD **770-6530**



WLD **770-6550**



Wood



Metal

GENERAL-PURPOSE STRAIGHT BENCH & PEDESTAL GRINDING WHEELS

Specifications

Diameter	Thickness	Arbor Size	Grit	Max. RPM	Item No.
4"	1/2"	1"	46	6,500	*WLD* **770-6530***
5"	3/4"	1"	46	4,900	*WLD* **770-6533***
5"	1"	1"	24	4,900	*WLD* **770-6534***
5"	1"	1"	36	4,900	*WLD* **770-6535***
6"	1/2"	1"	36	3,850	*WLD* **770-6536***
6"	1/2"	1"	46	3,850	*WLD* **770-6537***
6"	1/2"	1"	60	3,850	*WLD* **770-6538***
6"	3/4"	1"	36	3,850	*WLD* **770-6431***
6"	3/4"	1"	46	3,850	*WLD* **770-6432***
6"	3/4"	1"	60	3,850	*WLD* **770-6433***
6"	1"	1"	36	3,850	*WLD* **770-6434***
6"	1"	1"	46	3,850	*WLD* **770-6435***
6"	1"	1"	60	3,850	*WLD* **770-6436***
7"	3/4"	1"	46	3,600	*WLD* **770-6546***
7"	1"	1"	36	3,600	*WLD* **770-6547***
7"	1"	1"	46	3,600	*WLD* **770-6548***
8"	3/4"	1"	46	3,450	*WLD* **770-6549•**
8"	3/4"	1"	60	3,450	*WLD* **770-6550***
8"	1"	1"	36	3,450	*WLD* **770-6551•**
8"	1"	1"	46	3,450	*WLD* **770-6552•**
10"	1"	1 1/4"	36	3,600	*WLD* **770-6553•**
10"	1"	1 1/4"	46	3,600	*WLD* **770-6554†**

***** 1/2, 5/8 and 3/4 inch reducer bushings.***
*** 5/8 inch reducer bushing.***
† 3/4 inch reducer bushing.

3M

3M™ GREEN CORPS™ ROLOC™ DISCS



- The versatility of 3M™ Roloc™ product with the quality of Green Corps™ product.
- Handy, quick change tool for disc grinding which fits any standard 1/4" drill or air tool.
- Quick 1/2 turn on, 1/2 turn off speeds disc changing and cuts down time.
- The grit of any disc can be determined by the color of the plastic holding button:
  Grade 50 – Green
  Grade 36 – Brown
  Grade 24 – Black

MMM **01398**

CAUTION: Always wear eye and face protection.



MMM **01989**



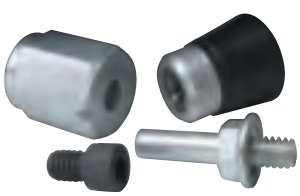
MMM **01991**

3M™ GREEN CORPS™ CUT-OFF & REINFORCED WELD GRINDING WHEELS

- Used for cutting auto body sheet metal, frame rails, clamps and rusted bolts.
- Weld grinding wheel ideal for cutting spot welds and grinding in hard-to-reach places.
- For use on utility type cut-off tools.

Note: Read all warnings supplied with wheels. DO NOT use on tool without guards.

Item No.	Size	Wheels/Pack	Packs/Case
MMM **01989**	3" x 1/32" x 3/8"	5	10
MMM **01990**	3" x 1/16" x 3/8"	5	10
MMM **01991**	3" x 3/16" x 3/8"	5	10



3M™ ROLOC™ DISC PAD ASSEMBLY

- Hard rubber backup pad.
- Provides firm support for Scotch-Brite™ Roloc™ Surface Conditioning Discs and 3M™ Roloc™ Bristle Discs.
- Pad assemblies come complete with a 2" steel shaft and adapter.

Item No.	Diameter	Shaft	Qty./Case
MMM **05538**	1"	1/4" Diameter	10
MMM **05539**	2"	1/4" Diameter	10
MMM **05540**	3"	1/4" Diameter	10
MMM **05541**	4"	1/4" Diameter	10

GRINDING WHEEL ACCESSORIES

NAPA WELDING



GRINDING WHEEL DRESSING STONE

Heavy-duty, 24-grit dressing stone is used to redress Type 1 vitrified bench-grinding wheels. Premium-grade aluminum oxide construction is very effective and maintains consistency. Dimensions: 6" x 1" x 1".

WLD **777-1627**

FLAP WHEELS

TYPE-27: FLAP WHEELS

Aluminum Oxide & Blue zirconia flap discs for angle grinders. Cuts fast and outlasts sanding discs 10 to 1 on average. Ideal for use on rough or fine finishes. High density discs are ideal for the extra tough jobs.



WLD **777-1606**

NAPA WELDING

Metal

TYPE-27 FLAP WHEELS

Grind and finish in one easy step—no need to switch from higher-RPM, Type-27 wheel to a resin fiber disc. Flap discs last up to 15 times longer than resin fiber discs, increase performance and decrease downtime. Constructed with thick layers of aluminum oxide or zirconium abrasive cloth and mounted on a rugged, lightweight aluminum backing plate (no backing pad required), which dissipates heat quickly and will not crack. Discs resharpen themselves for a consistent finish when cutting or grinding. Abrasive grain is continually exposed as the layered abrasive flaps wear down, providing rapid stock removal and consistent finishing. Angled face suits the natural working angle of a grinder, allowing maximum abrasive cloth contact with the work surface. Grinds multiple materials and is recyclable. Flap discs are ideal for metal fabricators, auto body technicians, welders, farm machinery/equipment repair shops, contractors, pipe fitters, mechanics, or anyone who grinds and finishes metal. Aluminum Oxide Arbor Hole: 7/8". Zirconia Arbor Hole: 5/8" x 11 NC.

Dia.	Grit	Max. RPM	Item No.
Aluminum Oxide with 7/8" Arbor			
4 1/2"	36	13,500	*WLD* **777-1606**
4 1/2"	60	13,500	*WLD* **777-1607**
4 1/2"	80	13,500	*WLD* **777-1610**
7"	36	8,600	*WLD* **777-1608**
7"	60	8,600	*WLD* **777-1609**
7"	80	8,600	*WLD* **777-1611**
Premium Zirconium with 7/8" Arbor Hole			
4 1/2"	36	13,300	*WLD* **777-1080**
4 1/2"	60	13,300	*WLD* **777-1081**
4 1/2"	80	13,300	*WLD* **777-1082**
Premium Zirconium with 5/8-11 Hub			
4 1/2"	36	13,500	*WLD* **777-1612**
4 1/2"	60	13,500	*WLD* **777-1613**
7"	36	8,600	*WLD* **777-1614**
7"	60	8,600	*WLD* **777-1615**

CAUTION: Always wear eye and face protection.

WELDING

TYPE-27 FLAP GRINDING DISCS

Metal



WLD **777-1796**

High-performance grinding flap discs are widely used by metal fabricators, auto body repairmen, welders, farm machinery and equipment repair shops, contractors, pipe fitters, mechanics, and anyone that needs to grind and finish metal. Flap discs grind and finish in one easy step. There are fewer changeovers because there is no need to switch from a Type-27 wheel, which has a higher rpm rating, to a resin fiber disc, eliminating a need for special tools. Flap discs also last up to 15 times longer than resin fiber discs.

Item No.	Dia.	Arbor Hole	Grit	Max. Safe Free Speed	Qty.	Finish Material
WLD **777-1796**	4½"	⅞"	36	13,500 RPM	1	Aluminum Oxide
WLD **777-1797**	4½"	⅞"	60	13,500 RPM	1	Aluminum Oxide
WLD **777-1798**	4½"	⅞"	80	13,500 RPM	1	Aluminum Oxide
High-Performance Zirconia with 5⅝" x 11NC Threaded Hub						
WLD **777-1799**	4½"	⅝" x 11NC	36	13,500 RPM	1	Zirconia
WLD **777-1825**	4½"	⅝" x 11NC	60	13,500 RPM	1	Zirconia
WLD **777-1826**	4½"	⅝" x 11NC	80	13,500 RPM	1	Zirconia

DEWALT HP HIGH Performance





DEW **DW8300**

TYPE-27 CONTAMINANT-FREE FLAP DISCS

Item No.	Dia.	Arbor	Grit	Max Rpm	Pack Qty.
DEW **DW8300**	4"	⅝"	Z36	15,200	10
DEW **DW8302**	4"	⅝"	Z60	15,200	10
DEW **DW8303**	4"	⅝"	Z80	15,200	10

TYPE-29: FLAP WHEELS



Aluminum Oxide or Blue zirconia flap discs for angle grinders. Ideal for rough or fine finishes. High density discs are ideal for the extra tough jobs.

WELDING

TYPE-29 FLAP WHEELS

Metal



WLD **777-1089**

Made from tough Zirconia grain. Type 29 shape has the working angle built into the disc. Reduced user fatigue. Will work on most metal and stainless steel

Dia.	Arbor Size	Grit	Max. RPM	Item No.
4½"	⅞"	36	13,500	*WLD* **777-1089**
4½"	⅞"	60	13,500	*WLD* **777-1090**
4½"	⅞"	80	13,500	*WLD* **777-1091**
4½"	⅝" x 11NC	36	13,500	*WLD* **777-1092***
4½"	⅝" x 11NC	60	13,500	*WLD* **777-1093***
4½"	⅝" x 11NC	80	13,500	*WLD* **777-1094***

**** No need for a flange and with zinc hub.***

WELDING

TYPE-29 FLAP GRINDING DISCS



Metal

Zirconia Mini Flap Discs last longer and provide more aggressive grinding than Aluminum Oxide Discs. Layered onto a strong plastic back with a molded, Roloc®-style button. Ideal for grinding aluminum and hardened or stainless steel.

Dia.	Grit	RPM	Qty.	Item No.
2"	40	25,000	5	*WLD* **777-1773**
2"	40	25,000	10	*WLD* **777-1774**
2"	60	25,000	5	*WLD* **777-1775**
2"	60	25,000	10	*WLD* **777-1776**
2"	80	25,000	5	*WLD* **777-1777**
2"	80	25,000	10	*WLD* **777-1778**
2"	120	25,000	5	*WLD* **777-1781**
2"	120	25,000	10	*WLD* **777-1782**
3"	40	20,000	5	*WLD* **777-1785**
3"	40	20,000	10	*WLD* **777-1786**
3"	60	20,000	5	*WLD* **777-1787**
3"	60	20,000	10	*WLD* **777-1788**
3"	80	20,000	5	*WLD* **777-1789**
3"	80	20,000	10	*WLD* **777-1790**
3"	120	20,000	5	*WLD* **777-1793**
3"	120	20,000	10	*WLD* **777-1794**

WELDING

TYPE-29 FLAP GRINDING MINI DISCS

Metal



WLD **777-1749**

Perform aggressive grinding and continuously offer a new cutting layer for longer life than traditional Mini Discs. Tough Aluminum Oxide sanding flaps are layered onto a strong plastic backing with a molded, Roloc®-style button offering versatility, as well as quick and easy changing. Flexible discs resist chipping, snagging and cracking. Ideal for aggressive grinding of welds and also fit Mini Air Grinders for effective use in tight areas.

Dia.	Grit	RPM	Qty.	Item No.
2"	40	25,000	5	*WLD* **777-1749**
2"	40	25,000	10	*WLD* **777-1750**
2"	60	25,000	5	*WLD* **777-1751**
2"	60	25,000	10	*WLD* **777-1752**
2"	80	25,000	5	*WLD* **777-1753**
2"	80	25,000	10	*WLD* **777-1754**
2"	120	25,000	5	*WLD* **777-1757**
2"	120	25,000	10	*WLD* **777-1758**
3"	40	20,000	5	*WLD* **777-1761**
3"	40	20,000	10	*WLD* **777-1762**
3"	60	20,000	5	*WLD* **777-1763**
3"	60	20,000	10	*WLD* **777-1764**
3"	80	20,000	5	*WLD* **777-1765**
3"	80	20,000	10	*WLD* **777-1766**
3"	120	20,000	5	*WLD* **777-1769**
3"	120	20,000	10	*WLD* **777-1770**

CAUTION: Always wear eye and face protection.



DEW **DW8306**

TYPE-29 CONTAMINANT-FREE FLAP DISCS

Item No.	Dia.	Arbor	Grit	Max Rpm	Pack Qty.
DEW **DW8306**	4½"	⅞"	Z36	13,300	10
DEW **DW8308**	4½"	⅞"	Z60	13,300	10
DEW **DW8309**	4½"	⅞"	Z80	13,300	10

SHANK MOUNT FLAP WHEELS

Features durable high grade aluminum oxide coating for aggressive cleaning and refinishing on most wood or metal surfaces. Shank can be mounted on power drills or other chuck driven tools.

WELDING

SHANK MOUNT FLAP WHEELS



Wheels are ¼" shank mounted with aluminum oxide abrasive for performance. Resin bonded to strong cloth backing, and well-suited for dry sanding, grinding, polishing or contour work. Also ideal for scouring, deburring, and removing rust or scales.

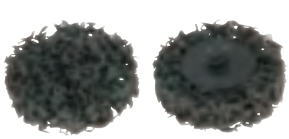
Metal

Size	Grit	Max RPM	Item No.	Five Pack Item No.
1" x 1"	60	30,000	*WLD* **777-1552**	*WLD* **777-1656**
1" x 1"	80	30,000	*WLD* **777-1553**	*WLD* **777-1657**
1" x 1"	120	30,000	*WLD* **777-1554**	*WLD* **777-1658**
1½" x ½"	60	30,000	*WLD* **777-1549**	*WLD* **777-1653**
1½" x ½"	80	30,000	*WLD* **777-1550**	*WLD* **777-1654**
1½" x ½"	120	30,000	*WLD* **777-1551**	*WLD* **777-1655**
2" x 1"	60	25,000	*WLD* **777-1546**	*WLD* **777-1650**
2" x 1"	80	25,000	*WLD* **777-1547**	*WLD* **777-1651**
2" x 1"	120	25,000	*WLD* **777-1548**	*WLD* **777-1652**
3" x 1"	60	20,000	*WLD* **777-1543**	*WLD* **777-1647**
3" x 1"	80	20,000	*WLD* **777-1544**	*WLD* **777-1648**
3" x 1"	120	20,000	*WLD* **777-1545**	*WLD* **777-1649**

COARSE GRINDING DISCS

WELDING

STRIP-BRITE EXTRA-COARSE GRINDING DISCS



Metal

Designed to work aggressively and fit into tight areas. Non-woven discs feature a molded, Roloc®-style button and fit NAPA® Welding Backing Pad, *WLD* **777-1539**, and most other popular brands. Ideal for stripping, cleaning, weld reduction, rust removal and paint coating removal. Color: Black. Diameter: 2". Max. RPM: 20,000.

WLD **777-1744** Pack of 2 Grinding Discs
WLD **777-1743** Pack of 5 Grinding Discs

MISC. GRINDING DISC ACCESSORIES

WELDING

4-1/2 IN. GRINDING DISC BACKING PAD



High-quality, turbo backing pad has built-in air pockets to keep discs cooler while grinding. For use with abrasive sanding discs *WLD* **777-1912** thru *WLD* **777-1918**. Diameter: 4½". Arbor Hole: ⅝"-11 NC.

WLD **777-1827**

WELDING

ADAPTER HUB ASSEMBLY



Contains everything necessary to mount a raised hub disc and saucer wheel with ⅞" center holes on a standard portable right-angle or vertical-shaft grinder. Adapter hubs are threaded for mounting onto standard ⅝"-11NCRH spindles.

WLD **777-1588**

WELDING

SPINDLE NUT



A ⅝" x 11NC replacement spindle nut.

WLD **777-1604**

WELDING

SPINDLE NUT WRENCH



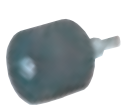
Wrench used for tightening *WLD* **777-1604** Spindle Nut.

WLD **777-1715**

WELDING



WLD **777-1671**



WLD **777-1672**



WLD **777-1673**



WLD **777-1674**



WLD **777-1675**



WLD **777-1676**

MINI MOUNTED GRINDING WHEELS

Metal

Perfect for jobs that will not work with a large wheel and can be used with any electric drill. Available in four different diameters and three widths. All sizes utilize a ¼" diameter mandrel. Each wheel is manufactured with 60-grit, vitrified aluminum oxide media for long life and dependability. Ideal for grinding carbon, steel, wrought iron, bronze, and other metals. Maximum RPM: 3,450.

Item No.	Description
WLD **777-1671**	1" Dia. x 1"
WLD **777-1672**	1½" Dia. x 1"
WLD **777-1673**	2" Dia. x ¼"
WLD **777-1674**	2" Dia. x ½"
WLD **777-1675**	2½" Dia. x ¼"
WLD **777-1676**	2½" Dia. x ½" W.

CAUTION: Always wear eye and face protection.



WLD 777-1598 | WLD 777-1596 | WLD 777-1597 | WLD 777-1593
WLD 777-1595 | WLD 777-1594 | WLD 777-1601 | WLD 777-1602
WLD 777-1599 | WLD 777-1600 | WLD 777-1591 | WLD 777-1592

MOUNTED GRINDING POINTS

Used in high-speed air and electric grinders. Aluminum oxide construction with 1/4" shank. Ideal for grinding dies, castings and weld seams, as well as other metal finishing projects.

Metal

Dia. x Thick. (In.)	Max. RPM	Item No.	Five-Pack Item No.
1/4 x 3/4	35,000	WLD 777-1598	WLD 777-1666
1/4 x 11/16	72,000	WLD 777-1596	WLD 777-1664
3/4 x 1	39,000	WLD 777-1597	WLD 777-1665
3/4 x 1 1/8	45,000	WLD 777-1593	WLD 777-1661
3/4 x 1 1/4	48,000	WLD 777-1595	WLD 777-1663
7/8 x 2	20,000	WLD 777-1594	WLD 777-1662
1 x 1/2	20,000	WLD 777-1601	WLD 777-1669
1 x 1	25,000	WLD 777-1602	WLD 777-1670
1 x 1	28,000	WLD 777-1599	WLD 777-1667
1 x 1	34,000	WLD 777-1600	WLD 777-1668
1 x 1 1/4	38,000	WLD 777-1591	WLD 777-1659
1 1/4 x 1 1/4	20,000	WLD 777-1592	WLD 777-1660



WLD 777-1842 | WLD 777-1846 | WLD 777-1840
WLD 777-1838 | WLD 777-1839 | WLD 777-1841
WLD 777-1843 | WLD 777-1845 | WLD 777-1844

MINI CARBIDE BURRS & SET

These double-cut mini burrs feature 1/8" shanks and 1/4" heads. Kit includes the most popular shapes and a handy plastic storage case. Ideal for use on Dremel tools to create extra-small holes or for deburring metal cutting needs. High-quality carbide meets the requirements of modern composite steels. Maximum RPM: 33,000. Set includes a plastic case.

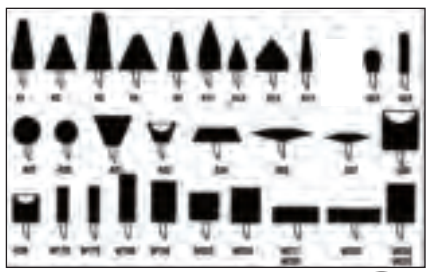
Metal

Item No.	Description	WLD 777-1837 9 Pc. Set
WLD 777-1842	Ball	•
WLD 777-1846	Cone	•
WLD 777-1840	Cone, Inverted	•
WLD 777-1838	Cylinder837	•
WLD 777-1839	Cylinder, End Cut	•
WLD 777-1841	Cylinder, Round Nose	•
WLD 777-1843	Oval	•
WLD 777-1845	Tree, Pointed	•
WLD 777-1844	Tree, Radius	•

NAPA WELDING



WLD 770-6485 | WLD 770-6477 | WLD 770-6876
WLD 770-6478 | WLD 770-6487 | WLD 770-6486
WLD 770-6488



MOUNTED POINTS

Feature aluminum oxide grain heads with 1144 cold drawn steel shanks. Mounted points are ideal for finishing steel, ceramics and other hard materials, as well as reaming or shaping holes in metal. They can also be used with hand drills, or for filing/sharpening various tools, including chain saws, lawn mower blades and plow points. In auto body shops, they are often used for weld cutting and deburring. Comply with ANSI Safety Code B-7.1. Size: 1/4" Dia. x 1 1/2" L.

Metal

Shape No.	Grit	Wheel Dia.	Wheel Thick.	Max. RPM	Item No.
A1	60	3/4"	2 1/2"	19,800	WLD 770-6485
A3	60	1"	2 3/4"	16,100	WLD 770-6875
A4	60	1 1/4"	1 1/4"	30,560	WLD 770-6441
A5	24	3/4"	1 1/8"	45,000	WLD 770-6477
A5	60	3/4"	1 1/8"	45,000	WLD 770-6876
A11	60	7/8"	2"	19,860	WLD 770-6439
A12	24	11/16"	1 1/4"	48,000	WLD 770-6478
A12	60	11/16"	1 1/4"	48,000	WLD 770-6877
A13	60	1 1/8"	1 1/8"	33,950	WLD 770-6438
A14	60	11/16"	7/8"	55,960	WLD 770-6878
A21	60	1"	1"	34,500	WLD 770-6446
A23	60	3/4"	1"	39,370	WLD 770-6444
A25	24	1"	1"	35,620	WLD 770-6479
A25	60	1"	1"	35,620	WLD 770-6440
A31	60	1 3/8"	1"	27,780	WLD 770-6437
A32	24	1"	5/8"	38,200	WLD 770-6480
A32	60	1"	5/8"	38,200	WLD 770-6486
A36	60	1 5/8"	3/8"	23,520	WLD 770-6442
A37	60	1 1/4"	1/4"	30,560	WLD 770-6445
A38	24	1"	1"	34,500	WLD 770-6481
A38	60	1"	1"	34,500	WLD 770-6487
W178	60	3/8"	1"	55,200	WLD 770-6887
W179	24	3/8"	1 1/4"	45,750	WLD 770-6492
W179	60	3/8"	1 1/4"	45,750	WLD 770-6488
W188	60	1/2"	1 1/2"	30,370	WLD 770-6888
W196	24	5/8"	1"	35,250	WLD 770-6482
W196	60	5/8"	1"	35,250	WLD 770-6489
W205	24	3/4"	1"	34,500	WLD 770-6483
W205	60	3/4"	1"	34,500	WLD 770-6490
W206	60	3/4"	1 1/4"	28,720	WLD 770-6443
W217	24	1"	3/8"	38,200	WLD 770-6484
W217	60	1"	3/8"	38,200	WLD 770-6491
W218	60	1"	1/2"	38,200	WLD 770-6889
W220	60	1"	1"	25,500	WLD 770-6890
W225	60	1 1/4"	1/4"	30,560	WLD 770-6447
W236	60	1 1/2"	1/2"	25,470	WLD 770-6448

CAUTION: Always wear eye and face protection.

NAPA WELDING


WLD 777-1620


WLD 777-1618


WLD 777-1616


WLD 777-1619


WLD 777-1617

Metal

MULTI-PURPOSE ROTARY GRINDING BURRS

Includes the five most popular shapes and sizes in a handy plastic storage case. All pieces have a 1/4" (6mm) shank, and are constructed of high-quality steel. Rotary files and ground burrs are ideal for use in drill presses, lathes, and electric/air-operated hand tools or flexible shaft equipment. Diameter: 1/2". All sold separately.

Item No.	Description
WLD 777-1620	14° Included Angle
WLD 777-1618	Ball
WLD 777-1616	Cylindrical
WLD 777-1619	Cylindrical, Ball-Nose
WLD 777-1617	Tree, Round
WLD 777-1621	5 pc. Multi-Purpose Rotary Grinding Burr Set

5 PC. PORTING WHEEL SET



Metal

Aluminum-oxide 60-grit porting wheel set is ideal for use in machine shops or rebuilding engines. Length: 1 1/2". Shank Diameter: 1/4".

WLD 770-6495

Contents

Qty.	Item No.	Description	Max. RPM
1	WLD 770-6887	3/8" x 1"	45,000 RPM
1	WLD 770-6888	1/2" x 1 1/2"	30,370 RPM
1	WLD 770-6877	11/16" x 1 1/4"	35,250 RPM
1	WLD 770-6485	3/4" x 2 1/2"	19,800 RPM
1	WLD 770-6487	1" x 1"	34,500 RPM


WLD 710-1651


WLD 710-1654


WLD 710-1652


WLD 710-1653


WLD 710-1655

Metal

ALUMA-CUT CARBIDE BURRS & SET

Shank: 1/4". Set includes a plastic case.

Item No.	Description (Dia. x Flute L. x L.)	WLD 710-1650 5 Pc. Set
WLD 710-1651	Ball End (1/2" x 1/2" x 2 1/2")	•
WLD 710-1654	Cylinder (3/8" x 3/4" x 2 1/2")	•
WLD 710-1652	Cylinder (1/2" x 1" x 2 3/4")	•
WLD 710-1653	Oval (1/2" x 7/8" x 2 3/4")	•
WLD 710-1655	Tree (3/8" x 3/4" x 2 3/4")	•


WLD 710-1658


WLD 710-1664


WLD 710-1665


WLD 710-1666


WLD 710-1667


WLD 710-1657


WLD 710-1668


WLD 710-1659


WLD 710-1660


WLD 710-1669


WLD 710-1661


WLD 710-1662

Metal

DOUBLE-CUT CARBIDE BURRS & SETS – 1/4 IN. SHANK

Sets include plastic storage case.

Item No.	Description (Dia. x Flute L. x L.)	WLD 710-1656 6 Pc. Set	WLD 710-1663 6 Pc. Set
WLD 710-1658	Cylinder (1/4" x 3/4" x 2")	•	
WLD 710-1664	Cylinder (1/4" x 1" x 2 1/2")		•
WLD 710-1665	Cylinder (3/8" x 3/4" x 2 3/4")		•
WLD 710-1666	Cylinder (1/2" x 1" x 3")		•
WLD 710-1667	Cylinder (5/8" x 1" x 3")		•
WLD 710-1657	Cylinder, End Cutting (1/4" x 3/4" x 2")	•	
WLD 710-1668	Cylinder, Radius End (1/4" x 3/4" x 2 1/2")		•
WLD 710-1659	Cylinder, Radius End (3/8" x 3/4" x 2 3/4")	•	
WLD 710-1660	Cylinder, Radius End (1/2" x 1 1/8" 3")	•	
WLD 710-1669	Tree (3/8" x 3/4" x 2 3/4")		•
WLD 710-1661	Tree, Radius (1/2" x 1" x 3")	•	
WLD 710-1662	Tree, Tapered (1/2" x 1 1/4" x 3 1/4")	•	



Metal

DIAMOND-CUT CARBIDE BURRS

Item No.	Description
BK 710-1684	3/16" (4.5mm) Dia.
BK 710-1685	7/32" (5.5mm) Dia.
BK 710-1686	5/16" (7.7mm) Dia.

CAUTION: Always wear eye and face protection.

NAPA WELDING


WLD **710-1674**


WLD **710-1671**


WLD **710-1672**


WLD **710-1673**

6-IN. EXTENDED DOUBLE-CUT CARBIDE BURRS & SET

Metal

Ideal for many engine rebuilding applications and in areas where regular carbide burrs will not reach. Shank: 1/4". Set includes plastic storage case.

Item No.	Description	*WLD* **710-1670** 4 Pc. Set
WLD **710-1674**	Ball End, 1/2" Dia.	•
WLD **710-1671**	Cylinder, Radius End (3/8" Dia.)	•
WLD **710-1672**	Tree, 3/8" Dia.	•
WLD **710-1673**	Tree, Radius (1/2" Dia.)	•


BK **710-1627**


BK **710-1625**


BK **710-1628**


BK **710-1622**


BK **710-1623**


BK **710-1624**


WLD **710-1626**

Metal

DIAMOND-CUT STEEL CABLE CARBIDE BURRS

Item No.	Description
BK **710-1627**	Ball, 1/4" Shank (2 3/4" L.)
BK **710-1625**	Cutter, 3/16" Shank (2 7/8" L.)
BK **710-1628**	Cutter, 5/16" Shank (4" L.)
BK **710-1622**	Mini, 1/8" Shank (1 1/4" L.)
BK **710-1623**	Pointed-End, 1/4" Shank (2" L.)
BK **710-1624**	Router, 1/4" Shank (2 1/2" L.)
BK **710-1626**	Tree, 1/4" Shank (2 3/4" L.)

SANDING DISCS

TYPE 1: STEEL SANDING & GRINDING



These high quality aluminum oxide discs are used for weld grinding, blending, finishing deburring, and other general purpose applications. Can be used on most types of steel, fiberglass or plastic.

3 IN. ALUMINUM OXIDE SANDING DISCS

Ideal for blending and finishing welds, these Velcro®-backed discs can also be used for paint finishing and fine rust removal. Available in a variety of grits, these discs fit Backing Plates *BK* **777-1828** and *BK* **777-1829.** Maximum RPM: 20,000. Quantity: Pack of 20.

Item No.	Description
WLD **777-1830**	36-Grit
WLD **777-1831**	46-Grit
WLD **777-1832**	60-Grit
WLD **777-1833**	80-Grit
WLD **777-1835**	120-Grit
WLD **777-1836**	160-Grit

Metal





Metal

RESIN-FIBER ALUMINUM OXIDE SANDING DISCS

Feature the highest-quality aluminum oxide grains. Heavy-duty, fiber-cloth backing is bonded with strong, heat-resistant resin. Ideal for removing rust, oxides and surface imperfections from many different types of metals. Quantity: Pack of three.

Diameter	Grit	Arbor Hole	Item No.
4"	16	5/8"	*WLD* **777-1677**
4"	24	5/8"	*WLD* **777-1678**
4"	36	5/8"	*WLD* **777-1679**
4"	60	5/8"	*WLD* **777-1680**
4"	80	5/8"	*WLD* **777-1681**
4"	100	5/8"	*WLD* **777-1682**
4"	120	5/8"	*WLD* **777-1683**
4.5"	16	7/8"	*WLD* **777-1912**
4.5"	24	7/8"	*WLD* **777-1913**
4.5"	36	7/8"	*WLD* **777-1914**
4.5"	50	7/8"	*WLD* **777-1915**
4.5"	80	7/8"	*WLD* **777-1916**
4.5"	100	7/8"	*WLD* **777-1917**
4.5"	120	7/8"	*WLD* **777-1918**
5"	16	7/8"	*WLD* **777-1555**
5"	24	7/8"	*WLD* **777-1556**
5"	36	7/8"	*WLD* **777-1557**
5"	50	7/8"	*WLD* **777-1558**
5"	80	7/8"	*WLD* **777-1559**
5"	100	7/8"	*WLD* **777-1560**
5"	120	7/8"	*WLD* **777-1561**
7"	16	7/8"	*WLD* **777-1562**
7"	24	7/8"	*WLD* **777-1563**
7"	36	7/8"	*WLD* **777-1564**
7"	50	7/8"	*WLD* **777-1565**
7"	80	7/8"	*WLD* **777-1566**
7"	100	7/8"	*WLD* **777-1567**
7"	120	7/8"	*WLD* **777-1568**



SANDER BACKING PADS

Heavy-duty pad with hardened rubber backing. Turbo pad with vents affords users a cooler disc with longer life.

Diameter	Arbor Thread	Item No.
4"	M10 x 1.25	*WLD* **777-1685**
4"	M10 x 1.50	*WLD* **777-1684**
5"	5/8" x 11 NC	*WLD* **777-1586**
7"	5/8" x 11 NC	*WLD* **777-1587**

CAUTION: Always wear eye and face protection.

BRUSH SAFETY

BRUSH USAGE RECOMMENDATIONS

Inspection & Storage: Upon receipt, inspect brushes for damage, rust and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments/components or foreign matter to become lodged in brush face.

Dust & Fumes: Always wear respiratory protection (see ANSI Z88.2).

Pressure: Avoid excessive pressure when using a wire-filled power brush. Excessive pressure causes over-bending of filaments and heat build-up, resulting in filament breakage, rapid dulling and reduced brush life. Rather than excessive pressure, try:

1). A brush with a more aggressive cutting action (increased wire size, decreased filament length, change to a different brush type, i.e. knot-type, instead of crimped wire-type).

2). Higher speed (increased RPM or brush diameter).

CAUTION: Never exceed the Manufacturer's recommended Maximum Safe Free Speed RPM (MSFS) brush rating.



CORRECT
Tips doing the work.



INCORRECT
Excessive pressure causes wire breakage.

Self Sharpening: When using wire wheel brushes, periodically reverse the direction of rotation for self-sharpening. This can be accomplished by removing the brush from the spindle, turning it side-to-side and re-mounting securely.

BRUSHING PROBLEMS: DO NOT ALLOW UNSAFE CONDITIONS TO CONTINUE

Occasionally, due to worn bearings, bent spindles, unusual applications, operator abuse or inappropriate use, a brush may fail. Do not continue to use a failed brush, or one that is functioning improperly (i.e. throwing filaments, out-of-balance, etc.). This increases the possibility for further brush failure.

BRUSH TYPES

Crimped: Provides a continuous brushing action and relatively fine finish.

Stainless Steel (Type 302): For non-contamination when brushing stainless and other non-ferrous metals.

Steel: Used in most brushes. Extremely high degree of fatigue resistance.

Straight: Twisted, tough. Provides maximum impact action for severe applications.

Wire Size: Always use the smallest wire size that will perform your operation. This will ensure maximum brush life.

SAFETY INFORMATION

Many brush manufacturers include safety warnings, recommendations and usage restrictions on their product. It is not always practical to include even the most limited safety information on the brush itself. Therefore, before operating any brush, read and follow all included instructions.

WARNING: Grinding wheels that are improperly used are dangerous! BE SAFE - PROTECT YOURSELF!! For complete and detailed safety information, see A.N.S.I. SAFETY CODE B7.1-1978.

WARNING: Avoid inhalation of dust generated by grinding and cutting operations. Exposure to dust may cause respiratory ailments. Use approved NIOSH or MSHA respirators, safety glasses or face shields, gloves, and protective clothing. Provide adequate ventilation to eliminate dust, or to maintain dust level below the Threshold Limit Value for nuisance dust as classified by OSHA.

CAUTION: Abrasive users and others in the area must wear goggles or face shields over safety glasses.

WIRE WHEELS

CRIMPED WIRE BRUSHES

Great for cleaning and blending metal surfaces, removing light burrs, paint, corrosion or other adherences.

WELDING

CRIMPED WIRE END BRUSHES

Coarse wire brushes are designed for use with 1/4" portable electric tools. Ideal for removing carbon, paint, plastic and rubber flash, as well as cleaning welds or polishing tools. Trim Length: 1".
Maximum RPM: 20,000.

Item No.	Description
WLD **777-1006**	Crimped, 3/4" Dia.
WLD **777-1032**	Crimped, 3/4" Dia. (Pack/5)
WLD **777-1030**	Crimped Stainless Steel, 1" Dia.
WLD **777-1019**	Crimped Steel, 1" Dia.
WLD **777-1007**	Knotted, 3/4" Dia.
WLD **777-1020**	Knotted, 1" Dia.
WLD **777-1031**	Knotted, 1" Dia. (Pack/5)



CRIMPED WIRE END BRUSH

Crimped wire end brush thoroughly and quickly removes deposits from cylinder heads, blocks, tops of pistons and valve ports. Use with electric drills, pneumatic tools and flexible shafts.

SER **1739**



1 IN. CRIMPED WIRE END BRUSH

Brush removes dirt, rust and paint from metal and other surfaces. It is designed for general-purpose cleaning with 0.020" industrial crimped wire. Use in electrical drills, pneumatic tools or flexible shaft equipment.
Face diameter: 1". Shank diameter: 1/4".
Maximum safe free speed: 20,000 rpm.

SER **2313**



WELDING

CRIMPED WIRE CUP BRUSHES

Small-diameter cup brushes remove carbon, scale, paint, rust and slag. Ideal for use in areas where space is limited. Stem: 1/4".

Description	Max. RPM	Item No.
Coarse, 2" Dia.	4,500	*WLD* **777-1008**
Coarse, 2" Dia. (Pack/5)	4,500	*WLD* **777-1033**
Coarse, 3" Dia.	4,500	*WLD* **777-1009**
Fine, 3" Dia.	4,500	*WLD* **777-1010**
Fine, 2 1/2" Dia. (Pack/5)	4,500	*WLD* **777-1034**



CAUTION: Always wear eye and face protection.

2-1/2 IN. CRIMPED WIRE CUP BRUSH



Brush removes light scale, rust and paint from surfaces. It is designed for light-duty use with 0.014" high carbon steel wire. Use in electric drills or flexible shaft equipment. Face diameter: 2½". Shank diameter: ¼". Maximum safe free speed: 5,000 rpm.

SER **2314**

WELDING

CRIMPED WIRE WHEEL BRUSHES

These handy, small-diameter wire wheels can be used with electric hand drills for deburring, blending, rust removal and cleaning. Stem: ¼".

Description	Max. RPM	Item No.
Coarse, 1½" Dia.	20,000	*WLD* **777-1002**
Coarse, 2" Dia.	20,000	*WLD* **777-1003**
Coarse, 2" Dia. (Pack/5)	4,500	*WLD* **777-1035**
Coarse, 3" Dia.	4,500	*WLD* **777-1004**
Fine, 3" Dia.	4,500	*WLD* **777-1005**
Fine, 3" Dia. (Pack/5)	4,500	*WLD* **777-1036**



WELDING

CRIMPED WIRE CUP BRUSHES & ADAPTERS

Heavy-duty, coarse wire cup brushes fit most grinders when used with available adapters. Excellent for cleaning flat surfaces and edges. Brush Arbor Hole: ⅝" x 11 NC.



WLD **777-1026**



WLD **777-1016**

Description	Max. RPM	Item No.
Adapter, 2¾" Brush	14,000	*WLD* **777-1026*** (Arbor: M10 x 1.25)
Adapter, 2¾" Brush	14,000	*WLD* **777-1027*** (Arbor: M10 x 1.50)
Brush, 2¾"	12,500	*WLD* **777-1011**
Brush, 5"	6,500	*WLD* **777-1016**

Use arbor adapter with brush for correct arbor hole size.

WELDING

CRIMPED WIRE WHEEL BRUSHES

Coarse wire wheels are compatible with bench grinder tools and provide fast cleaning action. Arbor Hole: ½"-⅝".

Description	Face Width	Max RPM	Item No.
6" Dia.	½"	3,750	*WLD* **777-1023**
6" Dia.	1"	6,000	*WLD* **777-1024**
8" Dia.	1½"	4,500	*WLD* **777-1025** Stainless Steel



TWISTED KNOT

Twisted knot wheel brushes provide high impact action. These are used in surface preparation prior to welding and for removing welding scale, spatter, and for heavy duty cleaning applications.

WELDING

TWISTED KNOTTED WIRE WHEEL BRUSHES & ADAPTERS

Made from coarse wire, these high-quality brushes fit most grinders when used with available adapters. Ideal for cleaning rust, slag, scale, dirt, rubber, plastic, weld spatter, etc.



WLD **777-1026**



WLD **777-1021**

Description	Arbor Hole	Face Width	Max. RPM	Item No.
Adapter, 4" Brush	M10 x 1.25	¼"	12,500	*WLD* **777-1026***
Adapter, 4" Brush	M10 x 1.50	¼"	12,500	*WLD* **777-1027***
Brush, 4"	⅝" x 11 NC	¼"	12,500	*WLD* **777-1015**
Brush, 6"	⅝" x 11 NC	½"	9,000	*WLD* **777-1021**
Brush, 6"	⅝"-½" (No Threads)	½"	9,000	*WLD* **777-1022**

Use adapter with brush for correct arbor hole size.

SUPER HEAVY-DUTY TWISTED KNOTTED WIRE WHEEL

Use with stationary or portable equipment for severe cleaning or buffing. These wheels remove welding flash from bodies and clean surface roughness and rust scale. They also perform other heavy-duty cleaning operations. Constructed of a strong, cable-like design with wires supporting one another. Face diameter: 8". Face width: 1". Arbor hole: ⅝". Maximum safe free speed: 6,000 RPM.



SER **1738**

WELDING

TWISTED KNOTTED SINGLE-ROW KNOTTED CUP BRUSHES & ADAPTERS

Heavy-duty, coarse wire cup brushes fit most grinders when used with available adapters. Excellent for deburring and cleaning welds. Brush Arbor Hole: ⅝" x 11 NC.



WLD **777-1026**



WLD **777-1017**

Description	Max. RPM	Item No.
Adapter, 2¾" Brush	14,000	*WLD* **777-1026*** (Arbor: M10 x 1.25)
Adapter, 2¾" Brush	14,000	*WLD* **777-1027*** (Arbor: M10 x 1.50)
Brush, 2¾"	14,000	*WLD* **777-1012**
Brush, 4"	8,000	*WLD* **777-1017**
Brush, 6"	8,000	*WLD* **777-1018**

Use adapter with brush for correct arbor hole size.

CAUTION: Always wear eye and face protection.

NAPA WELDING

2-3/4 IN. TWISTED KNOTTED CUP BRUSH



Stainless steel coarse wire brush fits most grinders when used with available adapters (*WLD* **777-1026** and *WLD* **777-1027**). Cup Diameter: 2¾". Arbor Hole: ⅝" x 11 NC. Maximum RPM: 12,500.

WLD **777-1028**

STRINGER BEAD BRUSHES

String bead brushes are extra narrow to clean pipe welds between passes and other applications where narrow brush faces are necessary to do the job.

STRINGER BEAD WIRE WHEEL BRUSHES & ADAPTERS

These narrow-face, coarse wire wheels are excellent for bead scale removal and cleaning grooves.



WLD **777-1026**

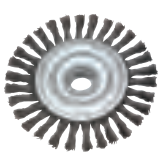


WLD **777-1013**

Description	Arbor Hole	Face Width	Max. RPM	Item No.
Adapter, 4" Brush	M10 x 1.25	¼"	20,000	*WLD* **777-1026***
Adapter, 4" Brush	M10 x 1.50	¼"	20,000	*WLD* **777-1027***
Brush, 4" Dia.	⅝" x 11 NC	¼"	20,000	*WLD* **777-1013**
Brush, 6" Dia.	⅝" x 11 NC	½"	9,000	*WLD* **777-1014**

Use adapter with brush for correct arbor hole size.

4 IN. STRINGER BEAD BRUSH



Rust-resistant, stainless steel coarse wire brush fits most grinders when used with available adapters (*WLD* **777-1026** and *WLD* **777-1027**). Diameter: 4". Arbor Hole: ⅝" x 11 NC. Face Width: 3/16". Maximum RPM: 20,000.

WLD **777-1029**

Metalworx™

Metal

METALWORX™ 3 PC. 4-1/2 IN. ANGLE GRINDER KIT



Generally used with angle and grinder to remove paint.

Specifications

Mounting hole dia.: .....⅝"
Grit: 60
Use with mandrel type:.....⅝" Arbor Hole

WLD **899-2422**

Metalworx™

Metal

METALWORX™ INDUSTRIAL WIRE CUP BRUSHES



Small diameter wire cup brushes are for use on space-restricted applications and do a great job on removal of carbon, scale, paint, rust and slag. Industrial and crimp cup brush.

Specifications

Brush arbor hole size: ..... ⅝"
Brush bristle area:..... 3"
Brush case material: ..... Steel
Brush thickness: .....Multiple

WLD **899-2421** 2-Pack

CUT-OFF WHEEL MANDREL SET



For ¼" and ⅜" arbors with a ¼-inch shank.

WLD **777-1577**

CUT-OFF WHEEL MANDREL SETS

WLD **770-6465** ⅜" Adapter Included
WLD **770-6467** ½" Adapter Included



WLD **770-6465**



WLD **770-6467**

WIRE WHEEL ARBOR-REDUCING ADAPTERS

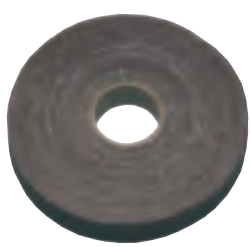


Adapters for ⅝" x 11 NC threads.

WLD **777-1026** M10 x 1.25
WLD **777-1027** M10 x 1.50

EMERY CLOTH ROLLS

A necessity for machine and maintenance shops. Durable aluminum oxide is coated onto a flexible, cotton cloth backing, which tears easily and conforms to work pieces. Rolls can be used dry, with oil, or with cutting lubricants. Cloth backing is ideal for removing tool marks, rust or scale, as well as deburring, contour sanding, stripping operations and improving metal finishes. For general-purpose use on aluminum, brass, bronze, ferrous metals, hardwood, leather, stainless steel and most alloys. Size: 1" x 25 yds.



Item No.	Description
WLD **777-1523**	80-Grit
WLD **777-1524**	120-Grit
WLD **777-1525**	180-Grit
WLD **777-1526**	320-Grit

GENERAL-PURPOSE ABRASIVE HAND PADS



Durable abrasive pads are constructed of non-rusting, non-conductive, tough fibers. Fine-grade, aluminum oxide pads can be used by hand or with oscillating sanders. Designed to last, they are an economical replacement for steel wool, emery cloth or wire brushes, and can be used for wet or dry applications. Solvent-resistant for use with water, detergents, waxes, polishes or light lubrication oils. Ideal for general cleaning, scouring, surface preparation, blending, finishing, removing fine burrs, or stain finishing aluminum and other metals. Can be used on plastic, metal or wood. Size: 6" x 9". Color: Maroon. Quantity: Pack of 10.

WLD **777-1686**

NAPA HAND TOOLS

HEAVY-DUTY COBALT DRILL BITS

- 135° Split Point, Cobalt, Bronze Oxide Finish
- M-35 Cobalt steel for increased heat resistance and longer life
- Best for drilling at higher speeds in tough drilling conditions
- Designed for stainless steel and other hard materials



BK **CD10**



BK **CD13**



BK **CD29**

HEAVY-DUTY COBALT FRACTIONAL DRILL BIT SETS

Item No.	Piece Count	Size	Case Style
BK **CD10**	10	1/16 - 1/4" by 64ths	Plastic
BK **CD13**	13	1/16 - 1/4" by 64ths	Plastic
BK **CD29**	29	1/16 - 1/2" by 64ths	Plastic



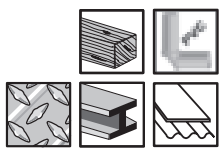
HEAVY-DUTY COBALT FRACTIONAL DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **CD500**	1	1/16"	0.0625
BK **CD502**	1	5/64"	0.0781
BK **CD504**	1	3/32"	0.0938
BK **CD506**	1	7/64"	0.1094
BK **CD508**	1	1/8"	0.1250
BK **CD510**	1	9/64"	0.1406
BK **CD512**	1	5/32"	0.1562
BK **CD514**	1	11/64"	0.1719
BK **CD516**	1	3/16"	0.1875
BK **CD518**	1	13/64"	0.2031
BK **CD520**	1	7/32"	0.2188
BK **CD522**	1	15/64"	0.2344
BK **CD524**	1	1/4"	0.2500
BK **CD526**	1	17/64"	0.2656
BK **CD528**	1	9/32"	0.2812
BK **CD530**	1	19/64"	0.2969
BK **CD532**	1	5/16"	0.3125
BK **CD534**	1	21/64"	0.3281
BK **CD536**	1	11/32"	0.3438
BK **CD538**	1	23/64"	0.3594
BK **CD540**	1	3/8"	0.3750
BK **CD542**	1	25/64"	0.3906
BK **CD544**	1	13/32"	0.4062
BK **CD546**	1	27/64"	0.4219
BK **CD548**	1	7/16"	0.4375
BK **CD550**	1	29/64"	0.4531
BK **CD552**	1	15/32"	0.4688
BK **CD554**	1	31/64"	0.4844
BK **CD556**	1	1/2"	0.5000

DEWALT







DEW **DW1269**

COBALT SETS

Item No.	Description	Includes
DEW **DW1263**	14 Pc. Pilot Point® Drill Bit Set	(2) 1/16", 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", Tough Case® Container
DEW **DW1269**	29 Pc. Pilot Point® Drill Bit Set	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2", Tough Case® Container

COBALT PILOT POINT®

Item No.	Qty./ Card	Dia. Inches	Dia. Decimal	Drilling Depth	Overall Length
DEW **DWA1204**	1	1/16"	.0625"	.88"	1.88"
DEW **DWA1205**	1	5/64"	.0781"	1.00"	2.00"
DEW **DWA1206**	1	3/32"	.0938"	1.25"	2.25"
DEW **DWA1207**	1	7/64"	.1094"	1.50"	2.62"
DEW **DWA1208**	1	1/8"	.1250"	1.62"	2.75"
DEW **DWA1209**	1	9/64"	.1406"	1.75"	2.88"
DEW **DWA1210**	1	5/32"	.1562"	2.00"	3.12"
DEW **DWA1211**	1	11/64"	.1719"	2.12"	3.25"
DEW **DWA1212**	1	3/16"	.1875"	2.31"	3.50"
DEW **DWA1213**	1	13/64"	.2031"	2.44"	3.62"
DEW **DWA1214**	1	7/32"	.2188"	2.50"	3.75"
DEW **DWA1215**	1	15/64"	.2344"	2.62"	3.88"
DEW **DWA1216**	1	1/4"	.2500"	2.75"	4.00"
DEW **DWA1220**	1	5/16"	.3125"	3.19"	4.50"
DEW **DWA1224**	1	3/8"	.3750"	3.62"	5.00"
DEW **DWA1228****	1	7/16"	.4375"	4.06"	5.59"
DEW **DWA1232****	1	1/2"	.5000"	4.5"	6.00"

***** 3/8" Reduced shank.***



17 PC. TITANIUM DRILL BIT SET

- Full 2 Year Warranty

DEW **15573**



CAUTION: Always wear eye and face protection.

HAND TOOLS

PROFESSIONAL TITANIUM-COATED DRILL BITS



BK **TD29**

Drill bits are used for drilling holes in the most ferrous and non-ferrous metals. Hard titanium nitride coating reduces friction and heat build-up, resulting in extended tool life. Titanium nitride keeps the cutting edge of the drill sharper, longer. Drill bits lasts up to 6 times longer than regular high-speed steel drill bits. Uses less energy, therefore a cordless drill will cut more holes per charge. Heat-treated to give the drill bit added durability and extend bit life. Split-point 135°.

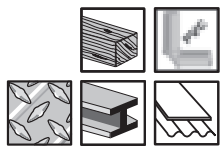
NOTE: Tip length is not included in flute length and overall length measurements. Measurement tolerance is + / - .12"

Item No.	Size	Decimal Equivalent	*BK* TD13 13 Pc. Set	*BK* TD21 21 Pc. Set	*BK* TD29 29 Pc. Set
BK **TD500**	1/16"	.0625	•	•	•
BK **TD502**	5/64"	.0781	•	•	•
BK **TD504**	3/32"	.0938	•	•	•
BK **TD506**	7/64"	.1094	•	•	•
BK **TD508**	1/8"	.1250	•	•	•
BK **TD510**	9/64"	.1406	•	•	•
BK **TD512**	5/32"	.1562	•	•	•
BK **TD514**	11/64"	.1719	•	•	•
BK **TD516**	3/16"	.1875	•	•	•
BK **TD518**	13/64"	.2031	•	•	•
BK **TD520**	7/32"	.2188	•	•	•
BK **TD522**	15/64"	.2344	•	•	•
BK **TD524**	1/4"	.2500	•	•	•
BK **TD526**	17/64"	.2656		•	•
BK **TD528**	9/32"	.2812		•	•
BK **TD530**	19/64"	.2969		•	•
BK **TD532**	5/16"	.3125		•	•
BK **TD534**	21/64"	.3281		•	•
BK **TD536**	11/32"	.3437		•	•
BK **TD538**	23/64"	.3594		•	•
BK **TD540**	3/8"	.3750		•	•
BK **TD542**	25/64"	.3906			•
BK **TD544**	13/32"	.4063			•
BK **TD546**	27/64"	.4219			•
BK **TD548**	7/16"	.4375			•
BK **TD550**	29/64"	.4531			•
BK **TD552**	15/32"	.4687			•
BK **TD554**	31/64"	.4843			•
BK **TD556**	1/2"	.5			•

DEWALT



DEW **DW1361**



TITANIUM SETS

Item No.	Description	Includes
DEW **DWA1240**	13 Pc. Drill Bit Set	(2) 1/16", 5/64", (2) 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", Tough Case® Container
DEW **DW1361**	21 Pc. Pilot Point® Drill Bit Set	(2) 1/16", (2) 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 11/64", (2) 3/16", 13/64", 7/32", 15/64", (2) 1/4", 5/16", 3/8", 1/2", Tough Case® Container

TITANIUM SPEED TIP

Item No.	Qty./ Card	Dia. Inches	Dia. Decimal	Drilling Depth	Overall Length
DEW **DW1304**	2	1/16"	.0625"	.88"	1.88"
DEW **DW1305**	2	5/64"	.0781"	1.00"	2.00"
DEW **DW1306**	2	3/32"	.0938"	1.25"	2.25"
DEW **DW1307**	2	7/64"	.1094"	1.50"	2.62"
DEW **DW1308**	2	1/8"	.1250"	1.62"	2.75"
DEW **DW1309**	1	9/64"	.1406"	1.75"	2.88"
DEW **DW1310**	1	5/32"	.1562"	2.00"	3.12"
DEW **DW1311**	1	11/64"	.1719"	2.12"	3.25"
DEW **DW1312**	1	3/16"	.1875"	2.31"	3.50"
DEW **DW1313**	1	13/64"	.2031"	2.44"	3.62"
DEW **DW1314**	1	7/32"	.2188"	2.50"	3.75"
DEW **DW1315**	1	15/64"	.2344"	2.62"	3.88"
DEW **DW1316**	1	1/4"	.2500"	2.75"	4.00"
DEW **DW1320**	1	5/16"	.3125"	3.19"	4.50"
DEW **DW1324**	1	3/8"	.3750"	3.62"	5.00"
DEW **DW1328****	1	7/16"	.4375"	4.06"	5.50"
DEW **DW1332****	1	1/2"	.5000"	4.50"	6.00"

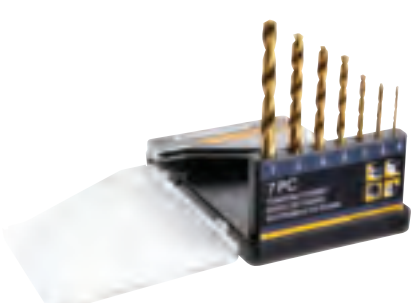
***** 3/8" Reduced shank.***

EVERCRAFT™

TITANIUM DRILL BIT SETS

Drill bits are used for drilling holes in the most ferrous and non-ferrous metals. Hard titanium nitride coating reduces friction and heat build-up, resulting in extended tool life. Titanium nitride coated steel keeps the cutting edge of the drill sharper, longer. Bits lasts up to 6 times longer than regular high-speed steel drill bits. Uses less energy, therefore a cordless drill will cut more holes per charge. Heat-treated to give the drill bit added durability and extend bit life. Split-point 135°.

Item No.	Description	Contents
BK **774-8000**	7 Pc. Set	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32"
BK **774-8001**	10 Pc. Set	1/4", 7/32", 3/16", 5/32", 9/64", 1/8", 7/64", 3/32", 5/64", 1/16"
BK **774-8002**	13 Pc. Set	1/6", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/16", 1/4"
BK **774-8004**	17 Pc. Set	5/64", 3/32", 7/64", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 5/16", 3/8", (2) 1/16", (2) 1/8"



CAUTION: Always wear eye and face protection.



DEW **DW1969**

GOLD FERROUS PILOT POINT® SETS

Item No.	DESCRIPTION	INCLUDES
DEW **DW1169**	14 Pc. Pilot Point® Drill Bit Set	(2) 1/16", 5/64", 3/32", 7/64", (2) 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", Tough Case® Container
DEW **DW1956**	16 Pc. Pilot Point® Drill Bit Set	(2) 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16",13/64", 7/32", 1/4", 5/16", 3/8", 1/2", Tough Case® Container
DEW **DW1969**	29 Pc. Pilot Point® Drill Bit Set	1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 11/64", 3/16", 13/64", 7/32", 15/64", 1/4", 17/64", 9/32", 19/64", 5/16", 21/64", 11/32", 23/64", 3/8", 25/64", 13/32", 27/64", 7/16", 29/64", 15/32", 31/64", 1/2", Metal Index Container

GOLD FERROUS PILOT POINT®

Item No.	Qty./ Card	Dia. Inches	Dia. Decimal	Drilling Depth	Overall Length
DEW **DW1904**	2	1/16"	.0625"	.88"	1.88"
DEW **DW1905**	2	5/64"	.0781"	1.00"	2.00"
DEW **DW1906**	2	3/32"	.0938"	1.25"	2.25"
DEW **DW1907**	2	7/64"	.1094"	1.50"	2.62"
DEW **DW1908**	2	1/8"	.1250"	1.62"	2.75"
DEW **DW1909**	1	9/64"	.1406"	1.75"	2.88"
DEW **DW1910**	1	5/32"	.1562"	2.00"	3.12"
DEW **DW1911**	1	11/64"	.1719"	2.12"	3.25"
DEW **DW1912**	1	3/16"	.1875"	2.31"	3.50"
DEW **DW1913**	1	13/64"	.2031"	2.44"	3.62"
DEW **DW1914**	1	7/32"	.2188"	2.50"	3.75"
DEW **DW1915**	1	15/64"	.2344"	2.62"	3.88"
DEW **DW1916**	1	1/4"	.2500"	2.75"	4.00"
DEW **DW1917**	1	17/64"	.2656"	2.88"	4.12"
DEW **DW1918**	1	9/32"	.2812"	2.94"	4.25"
DEW **DW1919**	1	19/64"	.2969"	3.06"	4.38"
DEW **DW1920**	1	5/16"	.3125"	3.19"	4.50"
DEW **DW1921**	1	21/64"	.3281"	3.31"	4.62"
DEW **DW1922**	1	11/32"	.3438"	3.44"	4.75"
DEW **DW1923**	1	23/64"	.3594"	3.50"	4.88"
DEW **DW1924**	1	3/8"	.3750"	3.62"	5.00"
DEW **DW1925****	1	25/64"	.3906"	3.75"	5.12"
DEW **DW1926****	1	13/32"	.4062"	3.88"	5.25"
DEW **DW1927****	1	27/64"	.4219"	3.94"	5.50"
DEW **DW1928****	1	7/16"	.4375"	4.06"	5.59"
DEW **DW1929****	1	29/64"	.4531"	4.19"	5.75"
DEW **DW1930****	1	15/32"	.4688"	4.31"	5.87"
DEW **DW1931****	1	31/64"	.4844"	4.38"	5.98"
DEW **DW1932****	1	1/2"	.5000"	4.5"	6.00"

*** 3/8" Reduced shank.***

HEAVY-DUTY HIGH-SPEED STEEL DRILL BITS

- 135° Split Point, High Speed Steel, Black Oxide Finish
- Heavy-duty construction provides additional strength
- Performs well in a broad range of materials including metals, hard woods, and plastics



BK **HSD1110**



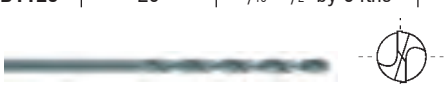
BK **HSD1113**



BK **HSD1129**

HEAVY-DUTY HIGH-SPEED FRACTIONAL DRILL BIT SETS

Item No.	Piece Count	Size	Case Style
BK **HSD1110**	10	1/16 - 1/4" by 64ths	Plastic
BK **HSD1113**	13	1/16 - 1/4" by 64ths	Plastic
BK **HSD1129**	29	1/16 - 1/2" by 64ths	Plastic



HEAVY-DUTY FRACTIONAL DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD500**	1	1/16"	0.0625
BK **HSD502**	1	5/64"	0.0781
BK **HSD504**	1	3/32"	0.0938
BK **HSD506**	1	7/64"	0.1094
BK **HSD508**	1	1/8"	0.1250
BK **HSD510**	1	9/64"	0.1406
BK **HSD512**	1	5/32"	0.1562
BK **HSD514**	1	11/64"	0.1719
BK **HSD516**	1	3/16"	0.1875
BK **HSD518**	1	13/64"	0.2031
BK **HSD520**	1	7/32"	0.2188
BK **HSD522**	1	15/64"	0.2344
BK **HSD524**	1	1/4"	0.2500
BK **HSD526**	1	17/64"	0.2656
BK **HSD528**	1	9/32"	0.2812
BK **HSD530**	1	19/64"	0.2969
BK **HSD532**	1	5/16"	0.3125
BK **HSD534**	1	21/64"	0.3281
BK **HSD536**	1	11/32"	0.3438
BK **HSD538**	1	23/64"	0.3594
BK **HSD540**	1	3/8"	0.3750
BK **HSD542**	1	25/64"	0.3906
BK **HSD544**	1	13/32"	0.4062
BK **HSD546**	1	27/64"	0.4219
BK **HSD548**	1	7/16"	0.4375
BK **HSD550**	1	29/64"	0.4531
BK **HSD552**	1	15/32"	0.4688
BK **HSD554**	1	31/64"	0.4844
BK **HSD556**	1	1/2"	0.5000

CAUTION: Always wear eye and face protection.

HAND TOOLS

GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BITS

- 118° Split Point, High Speed Steel, Bright Finish
- Heavy-duty construction provides additional strength
- Bits cut counter-clockwise



GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD2000**	15	1/16 - 1/2" by 32nds	Plastic Case

GENERAL-PURPOSE HIGH-SPEED STEEL LEFT-HANDED DRILL BITS – OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD2001**	1	1/16"	0.0625
BK **HSD2002**	1	3/32"	0.0938
BK **HSD2003**	1	1/8"	0.1250
BK **HSD2004**	1	5/32"	0.1563
BK **HSD2005**	1	3/16"	0.1875
BK **HSD2006**	1	7/32"	0.2188
BK **HSD2007**	1	1/4"	0.2500
BK **HSD2008**	1	9/32"	0.2813
BK **HSD2009**	1	5/16"	0.3125
BK **HSD2010**	1	11/32"	0.3438
BK **HSD2011**	1	3/8"	0.3750
BK **HSD2012**	1	13/32"	0.4063
BK **HSD2013**	1	7/16"	0.4375
BK **HSD2014**	1	15/32"	0.4688
BK **HSD2015**	1	1/2"	0.5000

SILVER & DEMING REDUCED-SHANK HIGH-SPEED STEEL DRILL BITS

Feature 118° point, with high-speed steel construction and black oxide flutes. Ideal for light- to medium-duty applications.



REDUCED-SHANK 1/2 IN. SILVER & DEMING DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD3000**	8	9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 1" by 16ths	Plastic



SILVER & DEMING REDUCED-SHANK DRILL BITS OPEN STOCK

Feature 1/2" reduced shank. Length: 6".

Item No.	Size	Decimal Equivalent	Item No.	Size	Decimal Equivalent
BK **HSD23**	33/64"	0.5156	*BK* **HSD58**	53/64"	0.8281
BK **HSD24**	17/32"	0.5312	*BK* **HSD59**	27/32"	0.8438
BK **HSD52**	35/64"	0.5469	*BK* **HSD60**	55/64"	0.8594
BK **HSD158**	9/16"	0.5625	*BK* **HSD163**	7/8"	0.8750
BK **HSD25**	37/64"	0.5781	*BK* **HSD61**	57/64"	0.8906
BK **HSD26**	19/32"	0.5938	*BK* **HSD31**	29/32"	0.9062
BK **HSD53**	39/64"	0.6094	*BK* **HSD32**	59/64"	0.9219
BK **HSD159**	5/8"	0.6250	*BK* **HSD50**	15/16"	0.9375
BK **HSD27**	41/64"	0.6406	*BK* **HSD62**	61/64"	0.9531
BK **HSD28**	21/32"	0.6562	*BK* **HSD63**	31/32"	0.9688
BK **HSD54**	43/64"	0.6719	*BK* **HSD64**	63/64"	0.9844
BK **HSD160**	11/16"	0.6875	*BK* **HSD164**	1"	1.0156
BK **HSD55**	45/64"	0.7031	*BK* **HSD66**	1 1/16"	1.0625
BK **HSD51**	23/32"	0.7188	*BK* **HSD70**	1 1/8"	1.1250
BK **HSD56**	47/64"	0.7344	*BK* **HSD74**	1 3/16"	1.1875
BK **HSD161**	3/4"	0.7500	*BK* **HSD78**	1 1/4"	1.2500
BK **HSD29**	49/64"	0.7656	*BK* **HSD80**	1 5/16"	1.3125
BK **HSD30**	25/32"	0.7812	*BK* **HSD82**	1 3/8"	1.3750
BK **HSD57**	51/64"	0.7969	*BK* **HSD84**	1 7/16"	1.4375
BK **HSD162**	13/16"	0.8125	*BK* **HSD86**	1 1/2"	1.5000



60 PC. WIRE GAUGE DRILL BIT SET

Item No.	Piece Count	Size	Case Style
BK **HSD4060**	60	1 - 60	Metal Case

CAUTION: Always wear eye and face protection.

HAND TOOLS



GENERAL-PURPOSE HIGH-SPEED STEEL WIRE GAUGE DRILL BITS – OPEN STOCK

Packaged 1 per card.

Item No.	Qty./ Card	Size	Decimal Equivalent	Item No.	Qty./ Card	Size	Decimal Equivalent
BK **HSD101**	1	1	0.228	*BK* **HSD10**	1	31	0.12
BK **HSD102**	1	2	0.221	*BK* **HSD132**	1	32	0.116
BK **HSD35**	1	3	0.213	*BK* **HSD133**	1	33	0.113
BK **HSD104**	1	4	0.209	*BK* **HSD134**	1	34	0.111
BK **HSD14**	1	5	0.2055	*BK* **HSD135**	1	35	0.11
BK **HSD106**	1	6	0.204	*BK* **HSD41**	1	36	0.1065
BK **HSD36**	1	7	0.201	*BK* **HSD137**	1	37	0.104
BK **HSD108**	1	8	0.199	*BK* **HSD42**	1	38	0.1015
BK **HSD109**	1	9	0.196	*BK* **HSD139**	1	39	0.0995
BK **HSD110**	1	10	0.1935	*BK* **HSD43**	1	40	0.098
BK **HSD111**	1	11	0.191	*BK* **HSD141**	1	41	0.096
BK **HSD112**	1	12	0.189	*BK* **HSD142**	1	42	0.0935
BK **HSD113**	1	13	0.185	*BK* **HSD44**	1	43	0.089
BK **HSD114**	1	14	0.182	*BK* **HSD144**	1	44	0.086
BK **HSD115**	1	15	0.18	*BK* **HSD145**	1	45	0.082
BK **HSD116**	1	16	0.177	*BK* **HSD146**	1	46	0.081
BK **HSD117**	1	17	0.173	*BK* **HSD147**	1	47	0.0785
BK **HSD118**	1	18	0.1695	*BK* **HSD148**	1	48	0.076
BK **HSD119**	1	19	0.166	*BK* **HSD149**	1	49	0.073
BK **HSD37**	1	20	0.161	*BK* **HSD150**	1	50	0.07
BK **HSD38**	1	21	0.159	*BK* **HSD151**	1	51	0.067
BK **HSD39**	1	22	0.157	*BK* **HSD152**	1	52	0.0635
BK **HSD123**	1	23	0.154	*BK* **HSD153**	1	53	0.0595
BK **HSD124**	1	24	0.152	*BK* **HSD154**	1	54	0.055
BK **HSD125**	1	25	0.1495	*BK* **HSD155**	1	55	0.052
BK **HSD40**	1	26	0.147	*BK* **HSD156**	1	56	0.0465
BK **HSD127**	1	27	0.144	*BK* **HSD157**	1	57	0.043
BK **HSD128**	1	28	0.1405	*BK* **HSD258**	1	58	0.042
BK **HSD129**	1	29	0.136	*BK* **HSD259**	1	59	0.041
BK **HSD130**	1	30	0.1285	*BK* **HSD260**	1	60	0.04



REDUCED SHANK 1/4 IN. FRACTIONAL DRILL BITS — OPEN STOCK

Item No.	Qty./Card	Size	Decimal Equivalent
BK **HSD232**	1	5/16"	0.31"
BK **HSD240**	1	3/8"	0.375"
BK **HSD248**	1	7/16"	0.4375"
BK **HSD256**	1	1/2"	0.5"



HEAVY-DUTY DOUBLE-END DRILL BIT

Double-end, 1/8" (0.125") drill bit. Length: 2". Quantity: Card/1.

BK **HSD608**



12 PC. SUPER MASONRY DRILL BIT SET

Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Positive Carbide tip geometry for rotary drilling efficiency. Wide spiral flutes efficiently remove dust and debris from the cutting area. Nickel/ Chrome-plated which gives an attractive finish and makes it rust resistant. Great for drilling high bulk materials such as damp masonry work, brick, cement, tile and cinder block. Drill bit set material is Carbon Steel. Contents: (2) 5/32", (1) 5/16", (1) 3/8", (2) 3/16", (2) 1/8", (3) 1/4" and (1) 1/2" in a case.

BK **MSMBX565**

ULTRA MASONRY DRILL BITS



Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Negative Carbide tip for rotary and percussion drilling. Wide spiral flutes efficiently remove dust and debris from the cutting area. Drill bit is great for drilling brick, stone, and concrete, ceramic, damp and dry masonry work and glass. Material is Carbon Steel.

Item No.	Description	Flute Length
BK **MU5164**	3/16" x 4"	3 1/8"
BK **MU5246**	1/4" x 6"	3 3/8"
BK **MU5326**	5/16" 6"	3 3/8"
BK **MU5406**	3/8" x 6"	3 3/8"
BK **MU5566**	1/2" x 6"	3 1/4"
BK **MU5576**	9/16" x 6"	3 3/8"
BK **MU5586**	5/8" x 6"	3 3/8"
BK **MU5606**	3/4" x 6"	3 1/4"
BK **MU5626**	7/8" x 6"	3 7/8"
BK **MU5646**	1" x 6"	3 3/8"

AIRCRAFT EXTENSION DRILL BITS



Used for drilling holes in most ferrous and non-ferrous metals, wood and plastics. Made from M2 steel, the highest grade of high speed steel and is the best for durability and maintenance of cutting edge. Heat-treated to give the drill bit added durability and extend bit life. Sizes 3/16" and over have three flats put on the shank to give the drill chuck a tighter grip to prevent slippage under heavy loads. Manufactured with a 135° split point to instantly grab the work surface eliminating the need to start the hole with a center punch. Split points create a cleaner cut. Overall length is 12". Flute length is 2 3/8".

Item No.	Description
BK **AEDB516**	3/16" x 12"
BK **AEDB524**	1/4" x 12"
BK **AEDB532**	5/16" x 12"
BK **AEDB540**	3/8" x 12"
BK **AEDB548**	7/16" x 12"
BK **AEDB556**	1/2" x 12"

CAUTION: Always wear eye and face protection.

NAPA HAND TOOLS

SUPER MASONRY DRILL BITS

Specially designed to penetrate the porous material that makes up concrete, brick and mortar. These bits have a micro-gain carbide tip that is designed to chip and grind out the hole. Positive Carbide tip geometry for rotary drilling efficiency. Wide spiral flutes efficiently remove dust and debris from the cutting area. Nickel/Chrome-plated which gives an attractive finish and makes it rust resistant. Great for drilling high bulk materials such as damp masonry work, brick, cement, tile and cinder block. Material is Carbon Steel.



Item No.	Description	Flute Length
BK **MS516338**	3/16" x 3 3/8"	1 7/8"
BK **MS5166**	3/16" x 6"	3 1/8"
BK **MS5244**	1/4" x 4"	2 1/2"
BK **MS5246**	1/4" x 6"	3 3/8"
BK **MS5326**	5/16" x 6"	3 3/8"
BK **MS5406**	3/8" x 6"	3 3/8"
BK **MS556578**	1/2" x 5 7/8"	3 3/8"
BK **MS5576**	9/16" x 6"	3 3/8"
BK **MS5586**	5/8" x 6"	3 3/8"
BK **MS5606**	3/4" x 6"	3 1/4"
BK **MS562614**	7/8" x 6 1/4"	3 7/8"
BK **MS564612**	1" x 6 1/2"	3 3/8"

IRWIN



IRWIN TURBOMAX® 10 PC. PRO DRILL BIT SET

- Built for maximum durability and long life with impact drivers
- One-piece construction withstands higher torque loads than standard quick-change bits
- Exclusive TURBOMAX® tip eliminates "walking," delivers 10X faster starts*, and stays sharp longer
- Made from premium high speed steel with black oxide finish for added corrosion resistance
- 1/4" quick-change shank is designed to work with impact drivers, and reduces slipping in standard drill chucks
- IRWIN® Pro Set Case is a molded ABS resin case that holds up to the rigors of daily use and features a two-step easy in / out bit storage system that holds bits securely in place until ready for use.

Includes two each 1/8", and one each 9/64", 5/32", 11/64", 3/16", 7/32", 1/4", 5/16", 3/8" drill bits

VG **1881324**

COBALT UNIBIT® STEP DRILL BITS

IRWIN Unibit

- M35 Grade HSS Cobalt
- High heat and abrasion resistance and longest cutting edge life
- Radial concave flute provides true round holes, greatest control and minimizes vibration
- 3-flatted shank won't slip in chuck
- Speedpoint tip provides faster starting - 6X faster than original Unibit®
- Laser-marked sizes are permanent and won't wear off with use
- New marking collar identifiable in use



Item No.	Description
VG **10231CB**	Cobalt Step Drill #1, 1/8"-1/2", 13 Holes
VG **10232CB**	Cobalt Step Drill #2, 3/16"-1/2", 6 Holes
VG **10233CB**	Cobalt Step Drill #3, 1/4"-3/4", 9 Holes
VG **10234CB**	Cobalt Step Drill #4, 3/16"-3/4", 12 Holes

IRWIN Unibit

UNIBIT® STEP DRILLS

The most recognized brand for professionals in automotive, electrical and plumbing. Unibit® cuts perfectly round holes in thin materials like: Stainless steel, copper, aluminum, brass, plastic, acrylic, wood, laminates.



- NEW SpeedPoint geometry penetrates 6 times faster than before and eliminates the need for center punching
- Easy to control, lets you see and feel each step as it penetrates
- Single, radial, concave flute drills perfectly round holes
- Compact design reaches places traditional drill bits cannot
- Perfect for body and frame work and easy to resharpen
- Metric sizes available

Item No.	Description	No. of Holes	Sizes	Shank (In.)	Step Thickness
VG **10231**	#1 Self-starting, Multiple Hole Sizes	13	1/8" - 1/2"	1/4"	1/32"
VG **10232**	#2 Self-starting, Multiple Hole Sizes	6	3/16" - 1/2"	1/4"	1/16"
VG **10233**	#3 Self-starting, Multiple Hole Sizes	9	1/4" - 3/4"	3/8"	1/16"
VG **10234**	#4 Self-starting, Multiple Hole Sizes	12	3/16" - 7/8"	3/8"	1/16"
VG **10310**	#10 Self-starting, Single Hole Sizes	1	1/2"	1/4"	1/8"
VG **10312ZR**	#12 Self-starting, Single Hole Sizes	1	3/8"	1/4"	1/8"
VG **10220**	#20 Hole Enlarging Bit	8	9/16" - 1"	1/2"	—
VG **10221**	#21 Hole Enlarging Bit	10	13/16" - 1 3/8"	1/2"	—

IRWIN Unibit

UNIBIT® STEP DRILL GENERAL-PURPOSE SET

This set features a full range of UNIBIT® Step Drill sizes from 1/8" to 1 3/8" packaged in a durable molded plastic case. Contains one each of the *VG* **10231**, *VG* **10232**,*VG* **10234**, and *VG* **10221** step drills.

VG **10225**



CAUTION: Always wear eye and face protection.

IRWIN Unibit

9 PC. UNIBIT® TURBOMAX™ SET

Includes 7 Pc. Titanium Nitride Coated Turbomax™ Drill Set (1/16", 3/32", 1/8", 3/16", 7/32", 1/4", 3/8") and UNIBIT® numbers *VG* **10231** and *VG* **10234**.
VG **3018008**



IRWIN Unibit

3 PC. UNIBIT® SET

Titanium Nitride coated.
VG **15502**

Contents

Item No.	Description
VG **151012R**	#1T UNIBIT®
VG **151022R**	#2T UNIBIT®
VG **151032R**	#3T UNIBIT®



IRWIN Unibit

3 PC. UNIBIT® SET

VG **10502ZR**

Contents

Item No.	Description
VG **10231**	#1 UNIBIT®
VG **10232**	#2 UNIBIT®
VG **10233**	#3 UNIBIT®



IRWIN Unibit

3 PC. COBALT UNIBIT® SET

Cobalt coated.
VG **10502CB**

Contents

Item No.	Description
VG **10231CB**	#1 1/8"-1/2", 13 Size
VG **10232CB**	#2 3/16"-1/2", 6 Size
VG **10233CB**	#3 1/4"-3/4", 9 Size



DEWALT

HEX SHANK - IMPACT READY® STEP DRILL BITS

DEW **DWA1786IR**



Item No.	Description	# Of Holes	Step Increments	Shank Dia.	Max. Mat. Thickness
DEW **DWA1783IR**	1/8" – 1/2" Step Drill Bit	13	1/32"	1/4"	1/8"
DEW **DWA1784IR**	3/16" – 1/2" Step Drill Bit	6	1/16"	1/4"	5/16"
DEW **DWA1786IR**	3/16" – 7/8" Step Drill Bit	12	1/16"	1/4"	1/8"
DEW **DWA1789IR**	7/8" – 1-1/8" Step Drill Bit	2	-	1/4"	1/8"
DEW **DWA1790IR**	3 Pc. Step Drill Bit Set	19 Total	1/32", 1/16", 1/16"	1/4", 1/4", 1/4"	1/8", 5/16", 1/8"

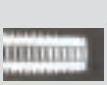
**** vs. conventional hex shank drill bits***

HAND TOOLS

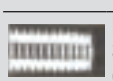
TAP & DRILL BIT SELECTION GUIDE

TAPS & DIES

Taps and dies are tooled to exacting specifications to ensure that bolts fit tightly and anchor securely. Taps are rust and tarnish resistant for greater durability and more accurate fitting.



Taper Taps:
8 to 10 threads chamfered for easy starting in tough materials.



Plug Taps:
3 to 5 threads chamfered for general use when tapping to bottom of hole is not critical. (This is the most widely used type of tap.)

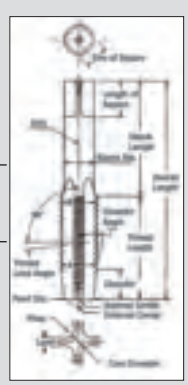


Bottoming Taps:
1 1/2 threads chamfered for use where thread must go to bottom of hole.

Note: Tap and die size is indicated by two numbers. The first number represents diameter of screw or bolt. The second number represents threads per inch. The letters after the tap size indicate particular screw or bolt standard.

Example: A 1/4-20NC tap will cut a 1/4" outside diameter with 20 threads per inch for a National Coarse type screw.

NC = National Coarse
NF = National Fine
NS = National Special
NEF = National Extra Fine
NPT = National Pipe Taper
BSP = British Standard Pipe



CAUTION: Always wear eye and face protection.

NAPA HAND TOOLS

AMERICAN STANDARD & UNIFIED FORM THREADS

Tap drill size is approximately 75% of threaded depth.

Thread Nominal Size	Pitch Series	Drill Size	Drill Decimal Inches
0-80	NF	3/64"	.0469
1-64	NC	53	.0595
1-72	NF	53	.0595
2-56	NC	50	.0700
2-64	NF	50	.0700
3-48	NC	47	.0785
3-56	NF	45	.0820
4-40	NC-UNC	43	.0890
4-48	NF	42	.0935
5-40	NC	38	.1015
5-44	NF	37	.1040
6-32	NC-UNC	36	.1065
6-40	NF	33	.1130
8-32	NC-UNC	29	.1360
8-36	NF	29	.1360
10-24	NC-UNC	25	.1495
10-32	NF-UNF	21	.1590
3/16-24	NS	26	.1470
3/16-32	NS	22	.1570
12-24	NC	16	.1770
12-28	NF	14	.1820
14-20	NS	10	.1935
1/4-20	NC-UNC	7	.2010
1/4-28	NF-UNF	3	.2130
5/16-18	NC-UNC	F	.2570
5/16-24	NF-UNF	I	.2720
3/8-16	NC-UNC	5/16"	.3125
3/8-24	NF-UNF	Q	.3320
7/16-14	NC-UNC	U	.3680
7/16-20	NF-UNF	25/64"	.3906
1/2-13	NC-UNC	27/64"	.4219
1/2-20	NF-UNF	29/64"	.4531
9/16-12	NC-UNC	31/64"	.4844
9/16-18	NF-UNF	33/64"	.5156
5/8-11	NC-UNC	17/32"	.5312
5/8-18	NF-UNF	37/64"	.5781
3/4-10	NC-UNC	21/32"	.6562
3/4-16	NF-UNF	11/16"	.6875
7/8-9	NC-UNC	49/64"	.7656
7/8-14	NF-UNF	13/16"	.8125
1-8	NC-UNC	7/8"	.8750
1-14	NS	15/16"	.9375
1-1/8-7	NC-UNC	63/64"	.9844
1-1/8-12	NF-UNF	1 3/64"	1.0469
1-1/4-7	NC-UNC	1 7/64"	1.1094
1-1/4-12	NF-UNF	1 11/64"	1.1719
1-3/8-6	NC-UNC	1 7/32"	1.2188
1-3/8-12	NF-UNF	1 19/64"	1.2969
1-1/2-6	NC-UNC	1 11/32"	1.3438
1-1/2-12	NF-UNF	1 27/64"	1.4219
1-3/4-5	NC-UNC	1 9/16"	1.5625
2-4-1/2	NC-UNC	1 25/32"	1.7813
2-1/4-4-1/2	NC-UNC	2 1/32"	2.0313
2-1/2-4	NC-UNC	2 1/4"	2.2500
2-3/4-4	NC-UNC	2 1/2"	2.5000
3-4	NC-UNC	2 3/4"	2.7500
3-1/4-4	NC-UNC	3"	3.0000
3-1/4-4	NC-UNC	3 1/4"	3.2500
3-3/4-4	NC-UNC	3 1/2"	3.5000
4-4	NC-UNC	3 3/4"	3.7500

METRIC THREADS

French International Standard (D.I.N.)

Tap Size	Standard	Drill Size	Drill Decimal Inches
2.5-.45	French	5/64"	.0781
2.6-.45	D.I.N.	#45	.0820
3-.50	D.I.N.	#40	.0980
3-.60	French	#39	.0995
3-.75	Optional	#43	.0890
3.5-.60	French & D.I.N.	#33	.1130
4-.70	D.I.N.	1/8"	.1250
4-.75	French	1/8"	.1250
4.5-.75	French & D.I.N.	#26	.1470
5-.75	Optional	#19	.1660
5-.80	D.I.N.	11/64"	.1719
5-.90	French	#20	.1610
5-1.00	Optional	5/32"	.1563
5.5-.75	Optional	3/16"	.1875
5.5-.90	French & D.I.N.	#14	.1820
6-1.00	French & D.I.N.	13/64"	.2031
6-1.25	Optional	3/16"	.1875
7-1.00	French & D.I.N.	15/64"	.2344
7-1.25	Optional	#1	.2280
8-1.00	French	J	.2770
8-1.25	D.I.N.	17/64"	.2656
9-1.00	French	5/16"	.3125
9-1.25	D.I.N.	5/16"	.3125
10-1.00	Optional	23/64"	.3594
10-1.25	Optional	11/32"	.3437
10-1.50	French & D.I.N.	11/32"	.3437
11-1.50	D.I.N.	3/8"	.3750
12-1.25	Optional	7/16"	.4375
12-1.50	French	13/32"	.4063
12-1.75	D.I.N.	27/64"	.4219
12-1.75	Optional	29/64"	.4531
13-1.50	Optional	29/64"	.4531
13-2.00	Optional	7/16"	.4375
14-1.25	Optional	33/64"	.5156
14-1.75	Optional	1/2"	.5000
14-2.00	French & D.I.N.	15/32"	.4687
15-1.75	Optional	17/32"	.5313
15-2.00	Optional	33/64"	.5156
16-1.50	Optional	37/64"	.5781
16-2.00	French & D.I.N.	35/64"	.5469
17-2.00	Optional	19/32"	.5937
18-1.50	Optional	21/32"	.6563

TAPER PIPE - FOR TAPPING WITHOUT REAMING

Thread	Drill	Thread	Drill	Thread	Drill
1/16"	D	3/4"	59/64"	2 1/2"	2 5/8"
1/8"	R	1"	15/32"	3"	3 1/4"
1/4"	7/16"	1 1/4"	1 1/2"	3 1/2"	3 3/4"
3/8"	37/64"	1 1/2"	1 47/64"	4"	4 1/4"
1/2"	45/64"	2"	27/32"	—	—

STRAIGHT PIPE

Thread	Drill	Thread	Drill	Thread	Drill
1/16"	1/4"	1/2"	23/32"	1 1/2"	1 3/4"
1/8"	11/32"	3/4"	59/64"	2"	27/32"
1/4"	7/16"	1"	15/32"	2 1/2"	2 21/32"
3/8"	37/64"	1 1/4"	1 1/2"	—	—

CAUTION: Always wear eye and face protection.



75 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

- Sturdy blow mold cases
- Index holders for taps
- All taps and dies lock in place
- Carbon steel
- Kits features the Ratcheting "T" Wrench and adapters

APX **3887**

Contents

Description	Description
Medium Tap and Die	8 - 32 taper
Ratcheting "T" Wrench	10 - 24 taper
Small Tap Adapter	10 - 32 taper
Medium Tap Adapter	12 - 24 taper
Medium Hex Die Adapter	1/8 - 27 NPT
Sliding "T" for adapters	1/4 - 20 NC
SAE screw pitch gauge	1/4 - 28 NF
METRIC screw pitch gauge	5/16 - 18 NC
#5 screwdriver	5/16 - 24 NF
1/4 - 20 NC taper	3/8 - 16 NC
1/4 - 28 NF taper	3/8 - 24 NF
5/16 - 18 NC taper	7/16 -14 NC
5/16 24 NF taper	7/16 - 20 NF
3/8 - 16 NC plug	1/2 -13 NC
3/8 - 24 NF plug	1/2 - 20 NF
7/16 -14 NC plug	4 - 40 taper
7/16 - 20 NF plug	6 - 32 taper
1/2 - 13 NC plug	8 - 32 taper
1/2 - 20 NF plug	10 - 24 taper
4 - 40 taper	10 - 32 taper
6 - 32 taper	12 - 24 taper
8 - 32 taper	1/8 - 27 NPT
10 - 24 taper	3 x .50 taper
10 - 32 taper	3 x .60 taper
12 - 24 taper	4 x .70 taper
1/8 - 27 NPT	4 x .75 taper
1/4 - 20 NC taper	5 x .80 taper
1/4 - 28 NF taper	5 x .90 taper
5/16 - 18 NC taper	6 x 1.00 taper
5/16 24 NF taper	7 x 1.00 taper
3/8 - 16 NC plug	8 x 1.25 plug
3/8 - 24 NF plug	9 x 1.00 plug
7/16 -14 NC plug	9 x 1.25 plug
7/16 - 20 NF plug	10 x 1.25 plug
1/2 - 13 NC plug	10 x 1.50 plug
1/2 - 20 NF plug	11 x 1.50 plug
4 - 40 taper	12 x 1.50 plug
6 - 32 taper	12 x 1.75 plug
	1/8 - 28BSP

GEARWRENCH

40 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

APX **3885**

Contents

Description	Description
Medium Tap and Die	10 - 24 taper
Ratcheting "T" Wrench	10 - 32 taper
Small Tap Adapter	12 - 24 taper
Medium Tap Adapter	1/8 - 27 NPT
Medium Hex Die Adapter	1/4 - 20 NC
Sliding "T" for adapters	1/4 - 28 NF
Thread gauge	5/16 - 18 NC
#5 screwdriver	5/16 - 24 NF
1/4 - 20 NC taper	3/8 - 16 NC
1/4 - 28 NF taper	3/8 - 24 NF
5/16 - 18 NC taper	7/16 -14 NC
5/16 24 NF taper	7/16 - 20 NF
3/8 - 16 NC plug	1/2 -13 NC
3/8 - 24 NF plug	1/2 - 20 NF
7/16 -14 NC plug	4 - 40 taper
7/16 - 20 NF plug	6 - 32 taper
1/2 - 13 NC plug	8 - 32 taper
1/2 - 20 NF plug	10 - 24 taper
4 - 40 taper	10 - 32 taper
6 - 32 taper	12 - 24 taper
8 - 32 taper	1/8 - 27 NPT

40 PC. MEDIUM RATCHETING TAP & DIE DRIVE TOOL SET

APX **3886**

Contents

Description	Description
Medium Tap and Die Ratcheting "T" Wrench	10 x 1.50 plug
Small Tap Adapter	11 x 1.50 plug
Medium Tap Adapter	12 x 1.50 plug
Medium Hex Die Adapter	12 x 1.75 plug
Sliding "T" for adapters	3 x .60
Thread gauge	4 x .70
#5 screwdriver	4 x .75
3 x .50 taper	5 x .80
3 x .60 taper	5 x .90
4 x .70 taper	6 x 1.00
4 x .75 taper	7 x 1.00
5 x .80 taper	8 x 1.25
5 x .90 taper	9 x 1.00
6 x 1.00 taper	9 x 1.25
7 x 1.00 taper	10 x 1.25
8 x 1.25 plug	10 x 1.50
9 x 1.00 plug	11 x 1.50
9 x 1.25 plug	12 x 1.50
10 x 1.25 plug	12 x 1.75
	1/8 - 28BSP

CAUTION: Always wear eye and face protection.

NAPA HAND TOOLS

75 PC. TAP & DIE SET – SAE/METRIC

BK **T-1153**

SAE MET



Contents

Qty.	Description
16	Die, Metric 1" Hex (3mm-0.50mm to 12mm-1.75mm)
1	Die, Pipe (1/8"-27 NPT)
1	Die, Pipe (1/8"-28 NPT)
16	Die, SAE 1" Hex (4"-40 to 12"-24; 1/4"-20 to 1/2"-20)
1	Die Stock, 1"
1	Gauge, Metric Screw Pitch
1	Gauge, SAE Screw Pitch

Qty.	Description
1	Screwdriver, #5
16	Tap, Metric (3mm-0.50mm to 12mm-1.75mm)
1	Tap, Pipe (1/8"-27 NPT)
1	Tap, Pipe (1/8"-28 NPT)
16	Tap, SAE (4"-40 to 12"-24; 1/4"-20 to 1/2"-20)
1	Wrench, T-Handle (0-1/4")
1	Wrench, T-Handle (1/4"-1/2")
1	Wrench, Tap (0"-1/2")

58 PC. PRO SERIES TAP & DIE SET – SAE

BK **T-1155**

SAE



Contents

Qty.	Description
15	Die, 1" Hex (6"-32" NC to 1/2"-20 NF)
6	Die, 1 7/16" Hex (9/16"-12 NC to 3/4"-16 NF)
1	Die, Pipe (1/8"-27)
1	Die, Pipe (1/4"-18)
1	Die Stock, 1" Adjustable
1	Die Stock, 1 7/16" Adjustable
1	Gauge, Screw Pitch
5	Screw Extractor (#1 thru #5)

Qty.	Description
1	Screwdriver, #5
1	Tap, Pipe (1/8"-27 NPT)
1	Tap, Pipe (1/4"-18 NPT)
21	Tap (6" x 32 NC to 3/4"-16 NF)
1	Wrench, T-Handle (0-1/4")
1	Wrench, Tap (0-1/2")
1	Wrench, Tap (1/4"-3/4" Adjustable)

65 PC. EXPERT TAP & DIE SET – SAE

BK **T-1154**

SAE



Contents

Qty.	Description
26	Die, 1" Hex (4"-40 NC to 1/2"-20 NF)
6	Die, 1 7/16" Hex (9/16"-12 NC to 3/4"-16 NF)
4	Die 1 13/16" Hex (7/8"-9 NC to 3/4"-16 NF)
1	Die, Pipe (1/8"-27 NPT)
1	Die, Pipe (1/4"-18 NPT)
1	Die Stock, 1" Adjustable
1	Die Stock, 1 7/16" Adjustable

Qty.	Description
1	Die Stock, 1 7/8"
1	Gauge, Screw Pitch
1	Screwdriver, #5
1	Tap, Pipe (1/8"-27 NPT)
1	Tap, Pipe (1/4"-18 NPT)
26	Tap (4"-40 NC to 1"-14 NS)
1	Wrench, T-Handle (0-1/4")
1	Wrench, Tap (3/32"-1/4")
1	Wrench, Tap (1/8"-3/8")
1	Wrench, Tap (3/16"-5/8")

39 PC. TAP & DIE SET – SAE

BK **T-1141**

SAE



Contents

Qty.	Description
16	Die, 1" Hex (4"-40 to 12"-24; 1/4"-20 to 1/2"-20)
1	Die, Pipe (1/8"-27)
1	Die Stock, 1"
1	Gauge, Screw Pitch
1	Screwdriver, #5

Qty.	Description
1	Tap, Pipe (1/8"-27)
16	Tap (4"-40 to 12"-24; 1/4"-20 to 1/2"-20)
1	Wrench, T-Handle (0-1/4")
1	Wrench, Tap (3/32-1/4")

27 PC. TAP & DIE SET – SAE

BK **T-1142**

SAE



Contents

Qty.	Description
10	Die, 1" Hex (1/4"-20" to 1/2"-20")
1	Die, Pipe (1/8"-27)
1	Die Stock, 1"
1	Gauge, Screw Pitch
1	Screwdriver, #5
1	Tap, Pipe (1/8"-27)
10	Tap (1/4"-20 to 1/2"-20)
1	Wrench, T-Handle (0-1/4")
1	Wrench, Tap (3/32"-1/4")

CAUTION: Always wear eye and face protection.

HAND TOOLS

19 PC. TAP & DIE SET – SAE

BK **T-1143**

SAE

Contents

Qty.	Description
6	Die, 1" Hex (1/4"-20" to 3/8"-24")
1	Die Stock, 1"
10	Tap (6"-32 to 10"-32; 1/4"-20 to 3/8"-24)
1	Tap Block, 1" Die Stock
1	Wrench, T-Handle (0-1/4")



39 PC. TAP & DIE SET – METRIC

Includes 16 taps, 16 dies and assorted accessories in a formed plastic case with removable tray.

BK **55511**

MET



Contents

Qty.	Description
16	Dies (Sizes: 3-0.5mm to 12-1.75mm)
1	Die Stock, 1"
1	Gauge, Screw Pitch
1	Screwdriver, #5

Qty.	Description
16	Taps (Sizes: 3-0.5mm to 12-1.75mm)
1	Wrench, T-Handle (0-1/4")
1	Wrench, Tap (0-1/2")
1	Tap, Pipe (1/8"-27 NPT)
1	Die, Pipe (1/8"-27)

6 PC. TAP SET – SAE

BK **T-1144**

SAE

Contents

Qty.	Description
1	Tap, 1/4"
1	Tap, 5/16"
1	Tap, 3/8"
1	Tap, 7/16"
1	Tap, 1/2"
1	Wrench, Tap (1/4"-1/2")



HIGH-CARBON STEEL MACHINE SCREW TAPS

For cleaner, more accurate cutting of internal threads. Rust-resistant, high-carbon steel construction for durability.



BK **T-313**

Size	Taper Item No.	Plug Item No.	Bottom Item No.
4-36 NS	—	*BK* **T-320**	—
4-40 NC	—	*BK* **T-102**	—
5-40 NC	—	*BK* **T-103**	—
6-32 NC	*BK* **T-313**	*BK* **T-104**	—
8-32 NC	*BK* **T-314**	*BK* **T-105**	*BK* **T-238**
10-24 NC	*BK* **T-315**	*BK* **T-106**	*BK* **T-240**
10-32 NF	*BK* **T-316**	*BK* **T-107**	*BK* **T-242**
12-24 NC	*BK* **T-317**	*BK* **T-108**	—
14-20 NS	—	*BK* **T-321**	—
14-24 NS	—	*BK* **T-322**	—

HIGH-CARBON STEEL FRACTIONAL TAPS

For cleaner, more accurate cutting of internal threads. Rust-resistant, high-carbon steel construction for durability.



BK **T-330**

Size	Taper Item No.	Plug Item No.	Bottom Item No.
3/16"-24 NS	*BK* **T-328**	*BK* **T-201**	—
3/16"-32 NS	*BK* **T-329**	*BK* **T-200**	—
1/4"-20 NC	*BK* **T-330**	*BK* **T-202**	*BK* **T-220**
1/4"-28 NF	*BK* **T-331**	*BK* **T-207**	*BK* **T-229**
5/16"-18 NC	*BK* **T-332**	*BK* **T-203**	*BK* **T-221**
5/16"-24 NF	*BK* **T-333**	*BK* **T-208**	*BK* **T-230**
3/8"-16 NC	*BK* **T-334**	*BK* **T-204**	*BK* **T-222**
3/8"-24 NF	*BK* **T-335**	*BK* **T-209**	*BK* **T-231**
7/16"-14 NC	*BK* **T-336**	*BK* **T-205**	*BK* **T-223**
7/16"-20 NF	*BK* **T-337**	*BK* **T-210**	*BK* **T-232**
1/2"-13 NC	*BK* **T-338**	*BK* **T-206**	*BK* **T-224**
1/2"-20 NF	*BK* **T-339**	*BK* **T-211**	*BK* **T-233**
9/16"-12 NC	*BK* **T-340**	*BK* **T-212**	*BK* **T-225**
9/16"-18 NF	*BK* **T-341**	*BK* **T-216**	*BK* **T-234**
5/8"-11 NC	*BK* **T-342**	*BK* **T-213**	*BK* **T-226**
5/8"-18 NF	*BK* **T-343**	*BK* **T-217**	*BK* **T-235**
3/4"-10 NC	*BK* **T-344**	*BK* **T-214**	*BK* **T-227**
3/4"-16 NF	*BK* **T-345**	*BK* **T-110**	*BK* **T-236**
7/8"-9 NC	—	*BK* **T-215**	—
7/8"-14 NF	—	*BK* **T-111**	—
1"-8 NC	—	*BK* **T-112**	—
1"-12 NF	—	*BK* **T-113**	—
1"-14 NS	—	*BK* **T-114**	—

METRIC HIGH-CARBON STEEL TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.



BK **55081**

Size	Plug Item No.	Bottom Item No.
3mm-0.5mm	*BK* **55081**	—
3mm-0.6mm	*BK* **55091**	—
4mm-0.7mm	*BK* **55121**	—
4mm-0.75mm	*BK* **55131**	—
5mm-0.8mm	*BK* **55161**	—
5mm-0.9mm	*BK* **55171**	—
6mm-1mm	*BK* **55211**	*BK* **55435**
7mm-1mm	*BK* **55231**	—
8mm-1.25mm	*BK* **55261**	*BK* **55437**
9mm-1mm	*BK* **55281**	—
9mm-1.25mm	*BK* **55291**	—
10mm-1.25mm	*BK* **55311**	*BK* **55439**
10mm-1.5mm	*BK* **55321**	*BK* **55440**
11mm-1.5mm	*BK* **55331**	—
12mm-1.5mm	*BK* **55351**	—
12mm-1.75mm	*BK* **55361**	*BK* **55441**
14mm-1.25mm	*BK* **T-248**	*BK* **55442**
14mm-1.5mm	*BK* **55412**	—
14mm-2mm	*BK* **55413**	*BK* **55443**
16mm-1.5mm	*BK* **55414**	*BK* **55444**
16mm-2mm	*BK* **55415**	*BK* **55445**
18mm-1.5mm	*BK* **T-249**	—
18mm-2.5mm	*BK* **55417**	—

CAUTION: Always wear eye and face protection.

HAND TOOLS

HIGH-CARBON STEEL PIPE TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.



BK **T-301**

Item No.	Description
BK **T-301**	1/8"-27 NPT
BK **T-302**	1/4"-18 NPT
BK **T-303**	3/8"-18 NPT
BK **T-304**	1/2"-14 NPT
BK **T-360**	3/4"-14 NPT

Item No.	Description
BK **T-361**	1"–11 1/2 NPT
BK **T-362**	1 1/4"–11 1/2 NPT
BK **T-363**	1 1/2"–11 1/2 NPT
BK **T-364**	2"–11 1/2 NPT

HIGH-CARBON STEEL SPARK PLUG TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction ensures durability.



BK **T-370**

BK **T-370** 7/8"-18 NS
BK **T-371** 10-1mm
BK **T-372** 12-1.25mm

HIGH-SPEED STEEL TAPER PIPE TAPS

For cleaner, more accurate cutting of internal threads. Tough, rust-resistant carbon steel construction for durability.



BK **T-440**

BK **T-440** 1/8"-27 NPT
BK **T-441** 1/4"-18 NPT High-Speed

HIGH-SPEED STEEL PLUG FRACTIONAL TAPS



BK **T-400**

High-speed taps are used when a stronger tap is required and provide cleaner, more accurate cutting of internal threads. Ideal for use with most materials, including stainless and alloy steels. Tough, rust-resistant carbon steel construction for durability.

Item No.	Description
BK **T-400**	1/4"-20 NC /
BK **T-401**	1/4"-28 NF
BK **T-402**	5/16"-18 NC
BK **T-403**	5/16"-24 NF
BK **T-404**	3/8"-16 NC
BK **T-405**	3/8"-24 NF
BK **T-406**	7/16"-14 NC
BK **T-407**	7/16"-20 NF

Item No.	Description
BK **T-408**	1/2"-13 NC
BK **T-409**	1/2"-20 NF
BK **T-410**	9/16"-12 NC
BK **T-411**	9/16"-18 NF
BK **T-412**	5/8"-11 NC
BK **T-413**	5/8"-18 NF
BK **T-414**	3/4"-10 NC
BK **T-415**	3/4"-16 NF

TAP & DRILL BIT SETS

High-carbon steel taps with matching industrial, high-speed steel drill bits provide the proper hole size for easier tapping and creating stronger threads.



BK **T-100**

Item No.	Tap	Drill
BK **TD-107**	1/4" x 18 NF	#3 Bit
BK **TD-111**	1/4" x 18 NPT	7/16" Bit
BK **TD-106**	1/4" x 20 NC	#7 Bit
BK **TD-108**	5/16" x 18 NC	F Bit
BK **TD-109**	3/8" x 16 NC	5/16" Bit
BK **TD-110**	1/2" x 13 NC	27/64" Bit

Item No.	Tap	Drill
BK **TD-100**	#4 x 40 NC	#43 Bit
BK **TD-101**	#6 x 32 NC	7/64" Bit
BK **TD-102**	#8 x 32 NC	#29 Bit
BK **TD-103**	#10 x 24 NC	#25 Bit
BK **TD-104**	#10 x 32 NC	#21 Bit
BK **TD-105**	#12 x 24 NC	#16 Bit

8 PC. TAP SOCKET SET

Ideal for use in areas where a T-handle won't fit. Set of eight sockets fits all number and fractional M.C.T.I. standard taps through 1/2". Also fits 1/8" NPT taps and metric taps through 12mm manufactured to M.C.T.I. standards. Sockets contained on a vinyl holder.



Specifications

Socket No.	Fits In.	Fits Metric	Shank Dia.	Sq. Size
#1	#1, 2, 3, 4, 6,8	1.6, 1.8, 2, 2.2, 2.5, 3, 3.15, 3.5mm	.141	.110
#2	#8	4mm	.168	.131
#3	#10	4.5, 5mm	.194	.152
#4	1/4"	6, 6.3mm	.255	.191
#5	5/16", 7/16"	7, 8mm	.323	.242
#6	3/8"	10mm	.381	.286
#7	1/2"	12, 12.5mm	.367	.275
#8	1/8" NPT	—	.437	.328

SER **77-4032**

HIGH-CARBON STEEL FRACTIONAL HEX DIES



BK **TH-208**

For cutting external threads. Versatile hexagon shape for use with adjustable wrenches. Tough, high-carbon steel construction for durability.

Size	1" Across Flat Item No.	1 7/16" Across Flat Item No.	1 13/16" Across Flat Item No.
3/16"-24 NS	*BK* **TH-201**	—	—
3/16"-32 NS	*BK* **TH-109**	—	—
1/4"-20 NC	*BK* **TH-202**	—	—
1/4"-28 NF	*BK* **TH-207**	—	—
5/16"-18 NC	*BK* **TH-203**	—	—
5/16"-24 NF	*BK* **TH-208**	—	—
3/8"-16 NC	*BK* **TH-204**	—	—
3/8"-24 NF	*BK* **TH-209**	—	—
7/16"-14 NC	*BK* **TH-205**	—	—
7/16"-20 NF	*BK* **TH-210**	—	—
1/2"-13 NC	*BK* **TH-206**	—	—
1/2"-20 NF	*BK* **TH-211**	—	—
9/16"-12 NC	—	*BK* **TH-212**	—
9/16"-18 NF	—	*BK* **TH-213**	—
5/8"-11 NC	—	*BK* **TH-214**	—
5/8"-18 NF	—	*BK* **TH-215**	—
3/4"-10 NC	—	*BK* **TH-216**	—
3/4"-16 NF	—	*BK* **TH-217**	—
7/8"-9 NC	—	—	*BK* **TH-218**
7/8"-14 NF	—	—	*BK* **TH-219**
1"-8 NC	—	—	*BK* **TH-220**
1"-12 NF	—	—	*BK* **TH-221**
1"-14 NS	—	—	*BK* **TH-222**

CAUTION: Always wear eye and face protection.

NAPA HAND TOOLS

HIGH-CARBON STEEL MACHINE SCREW HEX DIES



BK **TH-102**

High-carbon steel hexagon dies are ideal for cutting right-hand external threads. Hex head shape is designed for use in die stocks and adjustable wrenches.

Size	1 In. Across Flat Item No.	Size	1 In. Across Flat Item No.
4-40 NC	*BK* **TH-102**	10-24 NC	*BK* **TH-106**
5-40 NC	*BK* **TH-103**	10-32 NF	*BK* **TH-107**
6-32 NC	*BK* **TH-104**	12-24 NC	*BK* **TH-108**
8-32 NC	*BK* **TH-105**		

NAPA HAND TOOLS

HIGH-CARBON STEEL PIPE HEX DIES



BK **TH-301**

One-inch across flat dies for cutting external threads. Tough, high-carbon steel construction for durability.

BK **TH-301** 1/8"-27 NPT
BK **TH-302** 1/4"-18 NPT

NAPA HAND TOOLS

METRIC HEX DIES



BK **55581**

Tough, 1" across flat dies for cutting external threads. Versatile hexagon shape compatible with die stock adjustable wrenches. Carbon steel construction for long life and durability.

Item No.	Description	Item No.	Description
BK **55581**	3mm-0.50mm	*BK* **55781**	9mm-1.00mm
BK **55591**	3mm-0.60mm	*BK* **55791**	9mm-1.25mm
BK **55621**	4mm-0.70mm	*BK* **55911**	10mm-1.00mm
BK **55631**	4mm-0.75mm	*BK* **55811**	10mm-1.25mm
BK **55661**	5mm-0.80mm	*BK* **55821**	10mm-1.50mm
BK **55671**	5mm-0.90mm	*BK* **55831**	11mm-1.50mm
BK **55711**	6mm-1.00mm	*BK* **55912**	12mm-1.25mm
BK **55731**	7mm-1.00mm	*BK* **55851**	12mm-1.50mm
BK **55761**	8mm-1.25mm	*BK* **55861**	12mm-1.75mm

NAPA ServiceTools

EXTERNAL THREAD RESTORER FILES



Restore external threads by filing. Overlap several good threads with file and file-damaged ones. Files both right- and left-hand threads. Features long-lasting, fast-cutting teeth.

Item No.	Description	Pitch on Metric
SER **2228**	Metric Thread Restorer File	0.75mm, 1.00mm, 1.25mm, 1.50mm, 1.75mm, 2.00mm, 2.50mm, 3.00mm
SER **2229**	SAE Thread Restorer File	11, 12, 13, 14, 16, 18, 20, 24
SER **2249**	SAE Thread Restorer File	9, 10, 12, 16, 20, 27, 28, 32

NAPA ServiceTools



MASTER AXLE SPINDLE RETHREADING KIT

12-Piece thread restoring die set for proper repair or renewal of damaged threads in stub axles/spindles on most vehicles (refer to automotive manuals for correct size for applications). Rethreading dies are made from high tempered steel for strength and durability and are hex-shaped for use with a socket or wrench (not for use with impact gun.) Dies will remove nicks and burrs in existing threads and are intended for "chasing" - not cutting new threads. Dies are packaged in a plastic case and include the following 12 most popular sizes: 3/4"-16, 3/4"-20, 13/16"-20, 27/32"-20, M16 x 1, M16 x 1.5, M20 x 1, M20 x 1.5, M22 x 1.5, M24 x 1.5, M24 x 2, M27 x 2.

SER **3481**

Contents

Item No.	Description
SER **3481-1**	3/4"-16 Rethreading Die Replacement Part
SER **3481-2**	3/4"-20 Rethreading Die Replacement Part
SER **3481-3**	13/16"-20 Rethreading Die Replacement Part
SER **3481-4**	27/32"-20 Rethreading Die Replacement Part
SER **3481-5**	M16 x 1 Rethreading Die Replacement Part
SER **3481-6**	M16 x 1.5 Rethreading Die Replacement Part
SER **3481-7**	M20 x 1 Rethreading Die Replacement Part
SER **3481-8**	M20 x 1.5 Rethreading Die Replacement Part
SER **3481-9**	M22 x 1.5 Rethreading Die Replacement Part
SER **3481-10**	M24 x 1.5 Rethreading Die Replacement Part
SER **3481-11**	M24 x 2 Rethreading Die Replacement Part
—	M27 x 2 Rethreading Die Replacement Part

NAPA ServiceTools



40 PC. THREAD RESTORATION TOOL KIT

Fractional and metric restorer kit features multiple sizes for any job. Packaged in heavy-duty plastic, blow-molded case for durability.

SER **972**

Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

HAND TOOLS

8 PC. HEX DIE RE-THREADING KIT

Includes eight high-carbon steel NF threads, 1/4" - 3/4"

BK **61082**

Contents

Qty.	Description
1	1/4"
1	5/16"
1	3/8"
1	7/16"
1	1/2"
1	9/16"
1	5/8"
1	3/4"



CAUTION: Always wear eye and face protection.

HAND TOOLS

8 PC. RE-THREADING SET – NC THREAD

BK **T-1151**

Contents

Qty.	Description
1	1/4" Thread
1	5/16" Thread
1	3/8" Thread
1	7/16" Thread
1	1/2" Thread
1	9/16" Thread
1	5/8" Thread
1	3/4" Thread



GEARWRENCH



5 PC. GEARWRENCH® TAP & DIE DRIVE TOOL SET

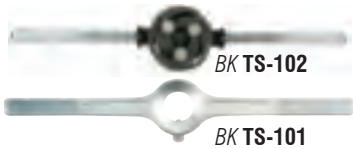
Patent Pending.

APX **3880**

Contents

Item No.	Description
APX **3881**	Tap and Die Ratcheting "T" Wrench
APX **3882**	Small Tap Adapter
APX **3883**	Medium Tap Adapter
APX **3884**	Die Adapter
—	Sliding "T" for adapters

HAND TOOLS

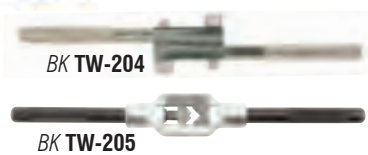


HEX DIE WRENCHES

Self-centering, two-handed wrenches securely hold dies for threading raw stock.

Item No.	Description
BK **TS-101**	1" Hex; Plain Stock Wrench
BK **TS-102**	1" Hex; Adjustable Stock Wrench
BK **TS-103**	1 7/16" Hex; Adjustable Stock Wrench
BK **TS-104**	1 7/8" Hex; Plain Stock Wrench

HAND TOOLS



ADJUSTABLE-HANDLE TAP & REAMER WRENCHES

Holds drive taps and reamers up to 7/16" square. Solid frame with threaded adjustment securely holds square shank taps when extra leverage is needed. Two-hand operation provides turning control.

Item No.	Description
BK **TW-204**	Range: 0-1/2" Sq.; 8" L.
BK **TW-205**	Range: 0-1/2" Sq.; 8 3/4" L.
BK **TW-206**	Range: 1/4"-3/4" Sq.; 14 5/8" L.
BK **TW-207**	Range: 1/2"-1 1/8" Sq.; 19 1/8" L.

HAND TOOLS



TAP WRENCH T-HANDLES

T-handle tap wrenches feature adjustable wrench jaws that are self-equalizing to securely hold taps and provide control while threading.

Item No.	Description
BK **TW-201**	0-1/4" Taps
BK **TW-203**	1/4"-1/2" Taps
BK **TW-202**	#12-5/16" Taps

GEARWRENCH



3/4 IN. LOCKING TAP ADAPTER

- Auto locking feature allows for safe removal of tap adapter
- Spring-loaded cap twists for quick release
- Fits taps 9/16" to 1/2"

APX **82801**

GEARWRENCH

1-1/2 IN. HEX DIE HOLDER



- Patented guide system keeps the die centered on the target for accurate threading
- Fits up to 1 7/16" diameter hex stock
- Fits hex sizes 9/16" to 1/2"

APX **82802**

GEARWRENCH

3/8 IN. MALE EXTENSION TAP ADAPTER



- Extend the length of tap and die system by combining adapter with any standard 3/8" extension

APX **82803**

GEARWRENCH

3/8 IN. FEMALE EXTENSION TAP ADAPTER



- Extend the length of tap and die system by combining adapter with any standard 3/8" extension

APX **82804**

IRWIN

2 PC. TAP ADAPTER SET



- Allows user to utilize common tools to drive taps
- Product comes with two sizes to allow for use of tap sizes up to 1/2"
- Jaws adjust to secure taps up to 1/2"
- 3/8" square drive compatible with common ratchets

VG **3095001**

IRWIN

7 PC. POWER GRIP SET

1/4" Hex shank fits most cordless drills, impact drivers, corded drills and nut runners. Power Groove works with Quick Change Adapter and grips both standard and metric size fasteners. Teeth bite down to provide maximum gripping power.

VG **394100** 3/16", 1/4", 5/16", 3/8", 10 mm, 7/16" and 1/2"



IRWIN

FRACTIONAL 9 PC. BOLT EXTRACTOR SET

VG **54009**



Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53901**	—	1/4"	3/8"
VG **53902**	8 mm	5/16"	3/8"
VG **53903**	—	3/8"	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53907**	—	1/2"	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53912**	—	11/16"	3/8"
VG **53913**	19 mm	3/4"	3/8"

IRWIN

PROFESSIONAL'S INDUSTRIAL13 PC. BOLT EXTRACTOR SET

VG **54113**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53901**	—	1/4"	3/8"
VG **53902**	8 mm	5/16"	3/8"
VG **53903**	—	3/8"	3/8"
VG **53904**	10 mm	—	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53906**	12 mm	—	3/8"
VG **53907**	—	1/2"	3/8"
VG **53908**	13 mm	—	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53911**	17 mm	—	3/8"
VG **53912**	—	11/16"	3/8"
VG **53913**	19 mm	3/4"	3/8"



CAUTION: Always wear eye and face protection.

IRWIN



VG **394001**



VG **394002**

BOLT EXTRACTOR SETS

Reverse spiral flutes are designed to bite down to provide maximum gripping power. High-carbon steel.

VG **394001** 3/8", 7/16", 1/2", 9/16", 5/8"
VG **394002** 5/16", 10mm, 13mm, 11/16", 3/4"

IRWIN



LUGNUT SPECIALTY 5 PC. BOLT EXTRACTOR SET

VG **54125**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53914**	19 mm	3/4"	1/2"
VG **53915**	21 mm	13/16"	1/2"
VG **53916**	22 mm	7/8"	1/2"
VG **53917**	24 mm	15/16"	1/2"
VG **53918**	—	1"	1/2"

IRWIN



METRIC 9 PC. BOLT EXTRACTOR SET

VG **54019**

Contents

Item No.	Removes Metric Size Bolts	Removes Fractional Size Bolts	Drive Size
VG **53902**	8 mm	5/16"	3/8"
VG **53904**	10 mm	—	3/8"
VG **53905**	11 mm	7/16"	3/8"
VG **53906**	12 mm	—	3/8"
VG **53908**	13 mm	—	3/8"
VG **53909**	14 mm	9/16"	3/8"
VG **53910**	16 mm	5/8"	3/8"
VG **53911**	17 mm	—	3/8"
VG **53913**	19 mm	3/4"	3/8"

ServiceMaster



SPIRAL SCREW EXTRACTOR KIT

Removes screws, broken studs, set screws, pipe and Alemite fittings. Drill a hole in the screw and place extractor into hole. Tap lightly with hammer and turn counterclockwise with tap wrench to remove the screw. Spiral blades grip screw. Extractors fit the following (see chart).

Item No.	Screw, Bolt or Stud Size	Drill Size
SER **2419**	Spiral Screw Extractor Kit, Contains one of each: *SER* **2419-71**, *SER* **2419-72**, *SER* **2419-73** and *SER* **2419-74**	
SER **2419-71**	No. 12 to 5/16"	9/64"
SER **2419-72**	5/16" to 7/16"	5/32"
SER **2419-73**	7/16" to 9/16"	1/4"
SER **2419-74**	9/16" to 3/4"	19/64"

ServiceMaster



SCREW EXTRACTOR KIT

Removes broken studs, set screws, pipe and Alemite fittings. Drill a hole in the screw and place extractor into hole. Tap lightly with hammer and turn counterclockwise with tap wrench to remove the screw. Features undercut flutes for more positive grip.

Item No.	Screw Size	Drill Size	Min. Depth, Hole	Pipe Size
SER **720**	Screw Extractor Kit, Contains one of each: *SER* **1109**, *SER* **1110**, *SER* **1111**, *SER* **1112** and *SER* **1113**			
SER **1109**	1/4", 5/16"	1/8"	3/8"	—
SER **1110**	3/8"	3/16"	1/2"	—
SER **1111**	7/16"	15/64"	1/2"	1/8"
SER **1112**	1/2", 9/16"	5/16"	1/2"	1/4"
SER **1113**	5/8"	3/8"	5/8"	3/8"

ServiceMaster



10 PC. SCREW EXTRACTOR & DRILL SET

- Combines five popular size screw extractors with the corresponding drill bit sizes in one convenient set
- Removes broken screw, bolts and studs
- Includes:
  - Numbers 1 - 5 spiral flute screw extractors
  - 9/64", 7/64", 5/32", 1/4" and 19/64" high speed steel drill bits

SER **61080P**

CAUTION: Always wear eye and face protection.

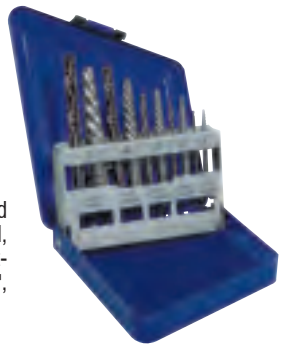
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10 PC. SPIRAL FLUTE SCREW EXTRACTORS SET

With Left Hand Cobalt Drill Bits - Metal Index

Left-Hand cobalt drill bits are the desired method for drilling into frozen, stripped, or broken fasteners. Set includes left-hand cobalt drill bits 5/64", 7/64", 5/32", 1/4", 19/64" and contents listed below.

VG **11119**



Contents

Item No.	Description
VG **52401**	EX-1 Spiral Flute Extractor
VG **52402**	EX-2 Spiral Flute Extractor
VG **52403**	EX-3 Spiral Flute Extractor
VG **52404**	EX-4 Spiral Flute Extractor
VG **52405**	EX-5 Spiral Flute Extractor

35 PC. SCREW EXTRACTOR/DRILL SET

- Left-Hand cobalt drill bits are the desired method for drilling into frozen, stripped, or broken fasteners
- Set includes all sizes of multi-spline extractors, 16 left-hand cobalt drill bits, and 6 spiral screw extractors
- Set includes left-hand cobalt drill bits 5/64", 7/64", 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 19/64", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" and contents listed below

VG **11135ZR**



Contents

Item No.	Description
VG **53201**	1/8" Multi-Spline Extractor
VG **53202**	5/32" Multi-Spline Extractor
VG **53203**	3/16" Multi-Spline Extractor
VG **53204**	7/32" Multi-Spline Extractor
VG **53205**	1/4" Multi-Spline Extractor
VG **53206**	9/32" Multi-Spline Extractor
VG **53207**	5/16" Multi-Spline Extractor
VG **53208**	11/32" Multi-Spline Extractor
VG **53209**	3/8" Multi-Spline Extractor
VG **53210**	13/32" Multi-Spline Extractor
VG **53211**	7/16" Multi-Spline Extractor
VG **53212**	15/32" Multi-Spline Extractor
VG **53213**	1/2" Multi-Spline Extractor
VG **52401**	EX-1 Spiral Flute Extractor
VG **52402**	EX-2 Spiral Flute Extractor
VG **52403**	EX-3 Spiral Flute Extractor
VG **52404**	EX-4 Spiral Flute Extractor
VG **52405**	EX-5 Spiral Flute Extractor
VG **52406**	EX-6 Spiral Flute Extractor

IRWIN® IMPACT PERFORMANCE SERIES SCREW GRIP DOUBLE ENDED SCREW EXTRACTORS

- DoubleLokTechnology™ ensures both ends of bit lock securely in impact drivers and quick-change chucks, enabling use of a single bit to remove stripped, damaged, or rusted screws and small bolts in three easy steps: drill, flip bit, and extract
- Manufactured with M2 high speed steel and extra-hardened for maximum durability and long life with impact drivers
- Tip of drill end is designed to start fast with minimal walking, and tip of extractor end is serrated for increased torque to remove even the toughest bolts and screws
- Black oxide finish resists corrosion and increases life of extractor

IRWIN® IMPACT PERFORMANCE SERIES 3 PC. SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR SET

Includes one each DE#1 (for screw sizes 4, 5, 6, 7 and bolt sizes 1-12, 5mm), DE#2 (for screw sizes 8, 9, 1 and bolt sizes 1/4", 6 mm) DE#3 (for screw sizes 11, 12, 14 and bolt sizes 5/16", 8mm)

VG **1876224**



IRWIN® IMPACT PERFORMANCE SERIES 6 PC. SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR SET

Includes one each #2PH, #2SQ, T25 2" power bits, DE#1 (for screw sizes 4, 5, 6, 7 and bolt sizes 1-12, 5mm), DE#2 (for screw sizes 8, 9, 1 and bolt sizes 1/4", 6mm) DE#3 (for screw sizes 11, 12, 14 and bolt sizes 5/16", 8mm)

VG **1876225**



IRWIN® IMPACT PERFORMANCE SERIES SCREW GRIP DOUBLE ENDED SCREW EXTRACTOR

- Designed for screw sizes 4, 5, 6, 7 and bolt sizes 1-12, 5mm

Item No.	Size
VG **1876221**	DE-1
VG **1876222**	DE-2
VG **1876223**	DE-3



CAUTION: Always wear eye and face protection.

IRWIN

IRWIN® IMPACT PERFORMANCE SERIES BOLT GRIPS®

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor



IRWIN® IMPACT PERFORMANCE SERIES 19 PC. 3/8 IN. SQUARE DR. BOLT GRIP® DRAWER SET WITH 1/4 IN. HEX ADAPTERS

Includes IRWIN® Drawer Case, a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets.
Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 12mm, 1/2", 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", and one each 1/2" square drive Bolt Grips® for use with 3/4" / 19mm, 13/16" / 21mm, 7/8" / 22mm, 15/16" / 24mm, 1" bolts plus one each 1/4" hex to 3/8" square and 1/4" hex to 1/2" square 2" length adapters.
VG **1859152**



IRWIN® IMPACT PERFORMANCE SERIES 14 PC. BOLT GRIP® 3/8 IN. SQUARE DRIVE DRAWER SET WITH 1/4 IN. HEX ADAPTER

Includes IRWIN® Drawer Case, a molded ABS resin case that holds up to the rigors of daily use and features a compact, flat design for convenient storage in drawers and tool cabinets.
Includes one each 3/8" square drive Deep Well Bolt Grips® for use with 1 / 4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 12mm, 1/2", 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", 3/4" / 19mm bolts plus a 1/4" hex to 3/8" square 2" length adapter.
VG **1859153**



IRWIN® IMPACT PERFORMANCE SERIES 14 PC. 3/8 IN. SQUARE DR. BOLT GRIP® RAIL SET WITH 1/4 IN. HEX ADAPTER

Magnetic rail for storage, featuring powerful rare earth magnets for secure attachment and a non-mar foam backing to protect against scratches.
Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 12mm, 1/2", 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", 3/4" / 19mm bolts and a 1/4" hex to 3/8" square 2" length adapter.
VG **1876228**



IRWIN® IMPACT PERFORMANCE SERIES 14 PC. 3/8 IN. SQUARE DR. DEEP WELL BOLT GRIP® RAIL SET WITH 1/4 IN. HEX ADAPTER

Magnetic rail for storage, featuring powerful rare earth magnets for secure attachment and a non-mar foam backing to protect against scratches.
Includes one each 3/8" square drive Deep Well Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 12mm, 1/2", 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", 3/4" / 19mm bolts plus a 1/4" hex to 3/8" square 2" length adapter.
VG **1876229**

IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 3/8 IN. SQUARE DR. BOLT GRIP® PRO SET WITH 1/4 IN. HEX ADAPTER

The IRWIN® Pro Set Case is a molded ABS resin case that holds up to the rigors of daily use and features a two-step easy in / out bit storage system that holds bits securely in place until ready for use. Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 1/2", 9/16" / 14mm bolts and a 1/4" hex to 3/8" square 2" length adapter.
VG **1859148**



CAUTION: Always wear eye and face protection.

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 8 PC. 3/8 IN. SQUARE DR. DEEP WELL BOLT GRIP® PRO SET WITH 1/4 IN. HEX ADAPTER

The IRWIN® Pro Set Case is a molded ABS resin case that holds up to the rigors of daily use and features a two-step easy in / out bit storage system that holds bits securely in place until ready for use.

Includes one each 3/8" square drive Deep Well Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 1mm, 7/16" / 11mm, 1/2", 9/16" / 14mm bolts and a 1/4" hex to 3/8" square 2" length adapter.

VG **1859149**

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 6 PC. 3/8 IN. SQUARE DR. BOLT GRIP® SET WITH 1/4 IN. HEX ADAPTER

- Reverse spiral flutes engineered to provide maximum gripping power to easily remove broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor

Includes one each 3/8" square drive Bolt Grips® for use with 1/4" / 6mm, 5/16" / 8mm, 3/8", 7/16" / 11mm, 1/2" bolts and 1/4" hex to 3/8" square 2" length adapter.

VG **1859143**

IRWIN



IRWIN IMPACT PERFORMANCE SERIES 6 PC. 3/8 IN. SQUARE DR. BOLT GRIP® RAIL EXPANSION SET

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor

Includes one each 13mm, 9/16" / 14mm, 5/8" / 16mm, 17mm, 11/16", 3/4" / 19mm, 3/8" Drive.

VG **1881175**

IRWIN



IRWIN® IMPACT PERFORMANCE SERIES 6 PC. 1/2 IN. SQUARE DR. BOLT GRIP® SET WITH 1/4 IN. HEX ADAPTER

- Engineered with reverse spiral flutes and extended reach to fit over exposed studs and easily grip and remove recessed fasteners including broken, damaged, or rusted nuts, bolts and screws
- High carbon steel ensures longer life and greater durability
- Universal lobular design fits all types of fasteners
- Black oxide finish resists corrosion and increases life of extractor
- Includes one each 3/4" / 19mm 1/2" Drive, 13/16" / 21mm, 7/8" / 22mm, 15/16" / 24mm, 1", 3/4", 13/16", 7/8"

VG **1859146**

Ken-Tool
WHEREVER TIRES ARE CHANGED™



SPC **30108**



13 PC. TWIST SOCKET SETS

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.

SPC **30106**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1/2" socket
11/16" socket	3/8" socket
9/16" socket	10 mm socket
7/16", 11 mm socket	12 mm socket
13 mm socket	14 mm socket
15 mm socket	5/8", 16 mm socket
17 mm socket	

Item No.	Description	Drive	Weight
SPC **30108**	On Rail	3/8"	1.6 lbs. (.7 kg)
SPC **30106**	In Case (Includes punch pin)	3/8"	1.9 lbs. (.9 kg)

CAUTION: Always wear eye and face protection.

Ken-Tool
WHEREVER TIRES ARE CHANGED™



10 PC. SLIM TWIST SOCKET SET W/ EXTERNAL HEX

Quickly removes damaged or rounded nuts, bolts, studs, and socket head cap screws in tight quarters. The through hole design allows them to also be used on long studs. Fits SAE sizes 3/8" to 3/4" and metric sizes from 9mm up to 19mm. Used where standard twist sockets will not fit. Can be used with an open-end wrench, or with a socket.

SPC **30271** 10 Pc. Set in Plastic Case

Contents

Item No.	Description
SPC **30271-01**	9mm; ext. hex 5/8" socket
SPC **30271-02**	10mm, 3/8"; ext. hex 5/8" socket
SPC **30271-03**	11mm, 7/16"; ext. hex 11/16" socket
SPC **30271-04**	12mm; ext. hex 3/4" socket
SPC **30271-05**	13mm, 1/2" ext. hex 3/4" socket
SPC **30271-06**	14mm, 9/16" ext. hex 13/16" socket
SPC **30271-07**	15mm; ext. hex 7/8" socket
SPC **30271-08**	16mm, 5/8"; ext. hex 15/16" socket
SPC **30271-09**	17mm, 11/16" ext. hex 1" socket
SPC **30271-10**	19mm, 3/4" ext. hex 1 1/16" socket





SPC **30109** *SPC* **30107**

9 PC. TWIST SOCKET SETS

Set covers most metric sizes. Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Available in convenient storage box or on organizer bar. This set can be used with impact wrench, air ratchet or hand ratchet. Designed for general automotive applications.

Contents

Socket Sizes	Socket Sizes
19 mm, 3/4" socket	12 mm socket
5/8", 16 mm socket	13 mm socket
10 mm socket	14 mm socket
7/15", 11 mm socket	15 mm socket
	17 mm socket

Item No.	Description	Drive	Weight
SPC **30109**	On Rail	3/8"	2.8 lbs. (1.2 kg)
SPC **30107**	In Case (Includes punch pin)	3/8"	1.5 lbs. (.7 kg)



8 PC. TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Convenient storage/ organizer bar. 1/4" drive, 9 lbs (.4 kg).

SPC **30117**

Contents

Socket Sizes	Socket Sizes
6 mm socket	13 mm socket
8 mm socket	14 mm socket
10 mm socket	15 mm socket
12 mm socket	17 mm socket



5 PC. TWIST SOCKET SET W/PUNCH

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Convenient storage/ organizer bar. 1/2" drive, 2 lbs (.9 kg).

SPC **30118**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1" socket
15/16" socket	7/8" socket
13/16" socket	punch pin



5 PC. DEEP TWIST SOCKET SET

Easily removes rounded, damaged, or corroded nuts, bolts, pipe nipples and studs. Unique spiral fluting bites onto the damaged fastener and won't let go. Designed for general automotive applications. Convenient storage/ organizer bar. Drive 1/2". Weight 2.5 lbs. (1.1 kg.).

SPC **30116**

Contents

Socket Sizes	Socket Sizes
19mm, 3/4" socket	1" socket
15/16" socket	7/8" socket
13/16" socket	

CAUTION: For use with air tools only. WARNING: Always wear approved eye protection when using impact sockets.

CAUTION: Always wear eye and face protection.

STUD REMOVAL KIT



Designed and tested to reach studs in difficult work areas. Wheel stud remover stud size : 6 mm, 8 mm, 10 mm, 12 mm, 3/8", 7/16", 5/16", 1/4". Wheel stud remover weight : .15 lb

SER **41760**

STUD EXTRACTION SOCKETS

Item No.	Description
SER **41768**	3/8" Dr.; Bolt Dia.: 1/4"
SER **41767**	3/8" Dr.; Bolt Dia.: 5/16"
SER **41761**	3/8" Dr.; Bolt Dia.: 6mm
SER **41762**	3/8" Dr.; Bolt Dia.: 8mm
SER **41765**	1/2" Dr.; Bolt Dia.: 3/8"
SER **41766**	1/2" Dr.; Bolt Dia.: 7/16"
SER **41763**	1/2" Dr.; Bolt Dia.: 10mm
SER **41764**	1/2" Dr.; Bolt Dia.: 12mm



SER **41768**

UNIVERSAL NUT CRACKER



Splits most stubborn nuts 7/16" (11mm) through 3/4" (19mm) across the flats. Works in channels not accessible to other tools. Parallel action of pusher cracks nuts without damaging bolt threads. Chisel rotates 360° to line up parallel to bolt. Simply tighten the screw until the nut splits. Has rugged drop-forged frame. Do not use on heat-treated nuts. Length: 6 3/4". This is a serviceable product.

SER **715**

NUT CRACKER



Splits most stubborn nuts up to 19mm across flats. Ideal for work on shocks, mufflers and tailpipes. Includes hardened steel chisel driven by large steel screw. Simply tighten screw until nut splits. Size range: 7/16" to 3/4".

SER **710**

EVERCRAFT

HEAVY-DUTY NUT SPLITTER



Drop Forged Steel Construction. Heat treated steel chisel driven by large self centering steel screw. Fits nuts 7/16" (11mm) to 3/4" (20mm). Place tool over damaged nut. Turn screw clockwise until nut splits.

BK **776-9259**

PUNCHES & CHISELS

- Cold chisels cover straight cutting operations
- Center punches are used to mark center of hole for drilling
- Pin punches are used to drive pin from holes
- Long taper punches are used for aligning holes
- Starter punches start removal of tight pins, keys and rivets



27 PC. PUNCH & CHISEL MASTER SET

BK **327**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **923**	1	Chisel, Cold (1/4" x 4 3/4" x 1/4")
BK **924**	1	Chisel, Cold (3/8" x 5 1/4" x 5/16")
BK **925**	1	Chisel, Cold (7/16" x 5 1/2" x 3/8")
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **928**	1	Chisel, Cold (7/8" x 7 1/2" x 3/4")
BK **929**	1	Chisel, Cold (1" x 8" x 7/8")
BK **948**	1	Punch, Center (1/4" x 4 1/4")
BK **949**	1	Punch, Center (3/8" x 5")
BK **950**	1	Punch, Center (7/16" x 5 1/2")
BK **954**	1	Punch, Pin (3/32" x 4 3/4" x /")
BK **955**	1	Punch, Pin (1/8" x 5" x 5/16")
BK **956**	1	Punch, Pin (5/32" x 5 1/4" x 5/16")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
BK **958**	1	Punch, Pin (1/4" x 7" x 3/8")
BK **959**	1	Punch, Pin (5/16" x 7" x 1/2")
BK **962**	1	Punch, Long Taper (1/8" x 8" x 3/8")
BK **963**	1	Punch, Long Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long Taper (1/4" x 11" x 5/8")
BK **970**	1	Punch, Starter (5/32" x 5" x 3/8")
BK **971**	1	Punch, Starter (3/16" x 5" x 3/8")
BK **972**	1	Punch, Starter (1/4" x 6" x 1/2")
BK **975**	1	Punch, Starter (1/8" x 4 1/2" x 5/16")
BK **977**	1	Punch, Starter (5/16" x 7" x 5/8")
BK **978**	1	Punch, Starter (3/8" x 8" x 3/4")
—	1	Vinyl Tool Roll

CAUTION: Always wear eye and face protection.

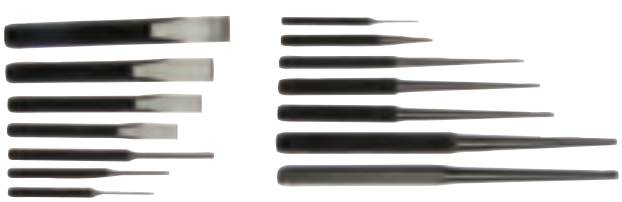


16 PC. PUNCH & CHISEL SET

BK **316**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **924**	1	(3/8" x 5 1/4" x 5/16") Chisel, Cold
BK **925A**	1	(1/2" x 6" x 3/8") Chisel, Cold
BK **926**	1	(5/8" x 6 1/2" x 1/2") Chisel, Cold
BK **949**	1	(3/8" x 5") Punch, Center
BK **950**	1	(7/16" x 5 1/2") Punch, Center
BK **954**	1	(3/32" x 4 3/4" x 5/16") Punch, Pin
BK **955**	1	(1/8" x 5" x 5/16") Punch, Pin
BK **956**	1	(5/32" x 5 1/4" x 5/16") Punch, Pin
BK **957**	1	(3/16" x 5 1/2" x 5/16") Punch, Pin
BK **958**	1	(1/4" x 7" x 3/8") Punch, Pin
BK **970**	1	(5/32" x 5" x 3/8") Punch, Starter
BK **971**	1	(3/16" x 5" x 3/8") Punch, Starter
BK **972**	1	(1/4" x 6" x 1/2") Punch, Starter
BK **975**	1	(1/8" x 4 1/2" x 5/16") Punch, Starter
BK **977**	1	(5/16" x 7" x 5/8") Punch, Starter
—	1	Chisel Punch Gauge
—	1	Vinyl Tool Pouch



14 PC. PUNCH & CHISEL SET

BK **314**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **928**	1	Chisel, Cold (7/8" x 7 1/2" x 3/4")
BK **949**	1	Punch, Center (3/8" x 5")
BK **962**	1	Punch, Long-Taper (1/8" x 8" x 3/8")
BK **963**	1	Punch, Long-Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long-Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long-Taper (1/4" x 11" x 5/8")
BK **965**	1	Punch, Long-Taper (5/16" x 11" x 5/8")
BK **954**	1	Punch, Pin (3/32" x 4 3/4" x 5/16")
BK **955**	1	Punch, Pin (1/8" x 5" x 5/16")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
BK **958**	1	Punch, Pin (1/4" x 7" x 3/8")
—	1	Tool Roll, Canvas

11 PC. MINI PUNCH & CHISEL SET

- Interchangeable Punch and Chisel Tips
- Most popular bits with single holder
- Protects hands in tight access areas
- Case for easy storage
- Packaged in a blow mold case for easy storage



SER **3714**

Contents

Item No.	Qty.	Description	Width of Blade Overall Length
Chisel, Flat	2	10, 13 mm	21.7 cm
Chisel, Cape	2	3 mm	22.5 cm
Punch, Taper	3	2, 3, 4 mm	21.4 cm
Punch, Pin	3	2, 3, 4 mm	21.4 cm
Punch, Center	2	0, 3 mm	21.4 cm



7 PC. PUNCH & CHISEL SET

BK **307**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925A**	1	Chisel, Cold (1/2" x 6" x 3/8")
BK **926**	1	Chisel, Cold (5/8" x 6 1/2" x 1/2")
BK **927**	1	Chisel, Cold (3/4" x 7" x 5/8")
BK **949**	1	Punch, Center (3/8" x 5")
BK **962**	1	Punch, Long-Taper (1/8" x 8" x 3/8")
BK **957**	1	Punch, Pin (3/16" x 5 1/2" x 5/16")
—	1	Tool Roll, Canvas

4 PC. COLD CHISEL SET

For straight-cutting operations.



BK **304C**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **925**	1	(7/16" x 5 1/2" x 3/8")
BK **926**	1	(5/8" x 6 1/2" x 1/2")
BK **927**	1	(3/4" x 7" x 5/8")
BK **928**	1	(7/8" x 7 1/2" x 3/4")
—	1	Pouch, Vinyl

CAUTION: Always wear safety goggles during straight-cutting operations.

CAUTION: Always wear eye and face protection.

COLD CHISELS



BK **925A**

Beveled edges for general-purpose cutting and chipping.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **923**	1	(1/4" x 4 3/4" x 1/4"), 1 oz.
BK **924**	1	(3/8" x 5 1/4" x 5/16"), 2 oz.
BK **925**	1	(7/16" x 5 1/2" x 3/8"), 2 oz.
BK **925A**	1	(1/2" x 6" x 3/8"), 3 oz.
BK **926**	1	(5/8" x 6 1/2" x 1/2"), 6 oz.
BK **927**	1	(3/4" x 7" x 5/8"), 10 oz.
BK **928**	1	(7/8" x 7 1/2" x 3/4"), 1 lb., 4 oz.
BK **929**	1	(1" x 8" x 7/8"), 1 lb., 6 oz.

LONG COLD CHISELS



BK **930**

Tapered points for general cutting and extra-long shanks.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **930**	1	(3/4" x 12" x 5/8"), 1 lb., 10 oz.
BK **931**	1	(7/8" x 12" x 3/4"), 1 lb., 15 oz.

DIAMOND-POINT CHISEL



For cutting v-grooves or cleaning corners. Dimensions: 3/16" x 5" x 3/8" Hex. Weight: 6 oz.

BK **945**

CAPE CHISEL



Tapered point for cutting narrow grooves. Dimensions: 1/4" x 5 1/2" x 3/8" Hex. Weight: 6 oz.

BK **940**

BRASS PUNCHES & SET



Brass punches are used for non-marring applications. Designed to inhibit sparking. Made of consumable brass, designed not to mar steel. Made in the USA.

Item No.	Description	*CHT* **62277** 4 Pc. Set.
CHT **25077**	3/8" Drift Punch	•
CHT **25090**	1/4" Pin Punch	•
CHT **25091**	3/8" Pin Punch	•
CHT **25080**	1/4" Solid Punch	•

3 PC. BRASS DRIFT PUNCH SET

Knurled bodies provide a better grip. Can be used on harder materials without damaging, marring or sparking.



BK **310**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **900**	1	3/8" x 6"
BK **902**	1	1/2" x 7"
BK **903**	1	3/4" x 7 7/8"
—	1	Pouch, Vinyl

3 PC. BRASS PIN PUNCH SET

Knurled bodies provide a better grip. Can be used on harder materials without damaging, marring or sparking.



BK **309**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **905**	1	(1/4" x 4" x 1/2")
BK **906**	1	(3/8" x 6" x 1/2")
BK **904**	1	Taper, (1/4" x 6" x 1/2")
—	1	Pouch, Vinyl



ROLL PIN PUNCHES & SET

- Manufactured from high alloy steel for strength and durability
- Heat treated for strength and durability
- Ball area in the center of the tip fits inside the roll pin to prevent damage to the roll pin
- Black oxide finish and "wear safety goggles" reminder
- Hex stock fits more securely in a punch & chisel holder and also reduces the tendency to roll on work surfaces
- Made in the USA - quality and availability

Item No.	Size	*AIT* **70-557** 7 Pc. Set
AIT **70-260**	1/16" x 1/4" x 23/4"	•
AIT **70-262**	3/32" x 1/4" x 31/2"	•
AIT **70-264**	1/8" x 1/4" x 4"	•
AIT **70-266**	5/32" x 1/4" x 41/2"	•
AIT **70-268**	3/16" x 3/8" x 41/2"	•
AIT **70-270**	7/32" x 3/8" x 5"	•
AIT **70-272**	1/4" x 7/16" x 51/2"	•
AIT **29406**	Vinyl Roll 7 Pockets	•

CAUTION: Always wear eye and face protection.

NAPA HAND TOOLS



5 PC. PIN PUNCH SET
For driving pins from holes.
BK **305**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **955**	1	(1/8" x 5" x 5/16")
BK **956**	1	(5/32" x 5 1/4" x 5/16")
BK **957**	1	(3/16" x 5 1/2" x 5/16")
BK **958**	1	(1/4" x 7" x 3/8")
BK **959**	1	(5/16" x 7" x 1/2")
—	1	Pouch, Vinyl



BK **900**



BK **904**

BRASS DRIFT/PIN PUNCHES OPEN STOCK

Item No.	Description
BK **900**	Punch, Drift 3/8" x 6"
BK **902**	Punch, Drift 1/2" x 7"
BK **903**	Punch, Drift 3/4" x 7 7/8"
BK **905**	Punch, Pin 1/4" x 4" x 1/2"
BK **906**	Punch, Pin 3/8" x 6" x 1/2"
BK **904**	Punch, Pin Tapered 1/4" x 6" x 1/2"



BK **954**

PIN PUNCHES
For driving pins from holes.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **954**	1	(3/32" x 4 3/4" x 5/16"), 2 oz.
BK **955**	1	(1/8" x 5" x 5/16"), 2 oz.
BK **956**	1	(5/32" x 5 1/4" x 5/16)", 2 oz.
BK **957**	1	(3/16" x 5 1/2" x 5/16)", 6 oz.
BK **958**	1	(1/4" x 7" x 3/8"), 6 oz.
BK **959**	1	(5/16" x 7" x 1/2"), 12 oz.



4 PC. LONG-TAPER PUNCH SET
An assortment of the most popular sizes for aligning holes.
BK **304**

Contents

Item No.	Qty.	Description (Tip x Length x Shank)
BK **963**	1	Punch, Long-Taper (5/32" x 8 1/2" x 1/2")
BK **964**	1	Punch, Long-Taper (3/16" x 9" x 1/2")
BK **968**	1	Punch, Long-Taper (1/4" x 11" x 5/8")
BK **965**	1	Punch, Long-Taper (5/16" x 11" x 5/8")
—	1	Pouch, Vinyl



BK **962**

LONG-TAPER PUNCHES
For aligning holes.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **962**	1	(1/8" x 8" x 3/8"), 1 oz.
BK **963**	1	(5/32" x 8 1/2" x 1/2"), 2 oz.
BK **964**	1	(3/16" x 9" x 1/2"), 6 oz.
BK **968**	1	(1/4" x 11" x 5/8"), 8 oz.
BK **965**	1	(5/16" x 11" x 5/8"), 10 oz.



BK **971**

STARTER PUNCHES
For starting the removal of tight pins, keys or rivets.

Item No.	Qty.	Description (Tip x Length x Hex)
BK **975**	1	(1/8" x 4 1/2" x 5/16")
BK **970**	1	(5/32" x 5" x 3/8")
BK **971**	1	(3/16" x 5" x 3/8")
BK **972**	1	(1/4" x 6" x 1/2")
BK **977**	1	(5/16" x 7" x 5/8")
BK **978**	1	(3/8" x 8" x 3/4")



BK **949**

CENTER PUNCHES
For marking the center of a hole prior to drilling.

Item No.	Description
BK **948**	1/4" Tip x 4 1/4" L., 1.5 oz.
BK **949**	3/8" Tip x 5" L. , 2 oz.
BK **950**	7/16" Tip x 5 1/2" L., 6 oz.



ALIGNMENT PUNCH
Thin, tapered point aligns holes. Sharp point scribes center for layout work. Punch measures 3/8" Hex x 5" L. Weight: 2 oz.
BK **952**



PINCH BAR
Use for prying, alignment work and many other purposes. One end has a long, sharp pointed taper and the other end a sharp, curved leverage blade. Nickel-chrome-plated bar measures 3/4" cut x 16" length x 5/8".
BK **936**

CAUTION: Always wear eye and face protection.



BK **984**



HAMMERLESS MEDIUM REACH PIN PUNCHES & SET

Designed to remove drift pins, roll pins, clevis pins, spring pins, dowel pins and more.

Item No.	Description	*BK* 988 4 Pc. Set
BK **984**	1/16" with 1 3/8" tip	•
BK **985**	3/32" with 1 3/8" tip	•
BK **986**	1/8" with 1 3/8" tip	•
BK **987**	5/32" with 1 3/8" tip	•



BK **980**



BK **981**



BK **982**



BK **983**



HAMMERLESS AUTOMOTIVE & METAL WORKING PUNCHES & SET

These professional grade tools are ideal for removing rivets and rusty screws. Perfect for working in tight spaces.

Item No.	Description	*BK* 989 4 Pc. Set
BK **980**	Combination Center Punch & 5/16" Cold Chisel	•
BK **981**	Combination Center Punch	•
BK **982**	High-Speed Steel Center Punch	•
BK **983**	Self-Centering Transfer Punch	•



31 PC. HAMMERLESS TRANSFER PUNCH SET

Expanded transfer punch set includes 31 individual punches. Furnished in a heavy-duty nylon roll pouch. Punches are made from hardened and tempered steel. Each punch is 4 7/8" long. Punch sizes: 7/8", 17/32", 3/32", 5/16", 7/64", 21/64", 1/8", 11/32", 9/64", 23/64", 5/32", 3/8", 11/64", 25/64", 3/16", 13/32", 13/64", 27/64", 7/32", 7/16", 15/64", 29/64", 1/4", 15/32", 17/64", 31/64", 9/32", 1/2", 19/64", 3/4", 1".

BK **990**



39 PC. HAMMERLESS 1/4 IN. INDUSTRIAL STAMP KIT

Professional grade 39 piece mechanics I.D. stamping set. Permanently brand any mild steel or other hard surfaces with this I.D. stamper set. Ideal for mechanics to label components during teardowns. Excellent for anti-theft identification and to permanently stamp tools and other property. Interchangeable bits are marked with their associated character for easy alignment. Comes with a heavy-duty case with foam lining for easy organization. Stamp Type: Characters A-Z, 0-9, Period, and Symbol, and Asterisk Symbol.

BK **992**

6 PC. PRECISION FILE SET

Ideal for the most intricate filing applications, such as deburring, sharpening, finishing and enlarging holes. Clean files with included brush for longer life.

BK **61083**



Contents

Qty.	Description
1	Cleaning Brush
1	Flat File
1	Mill Bastard File
1	Round Bastard File
1	Slim Taper File
1	Square File
1	Vinyl Storage Pouch

4 PC. FILE SET

Plastic handles provide improved leverage and reduce hand fatigue.

BK **979XH**



Contents

Qty.	Description
1	Brush, Wooden-Handle
1	Mill Bastard File, 8"
1	Round Bastard File, 8"
1	Slim Taper File, 7"
1	Storage Pouch

CAUTION: Always wear eye and face protection.

HAND TOOLS



SLIM TAPER FILE
Ideal for use on small parts, including handsaws with six or seven points per inch. Length: 7".
BK **XHT-7**



HALF-ROUND FILE
Steel file is ideal for rounding out holes and general shop work, on flat or concave surfaces. Plastic handle features sure-grip for control. Length: 8".
BK **XHH-8**



HALF-FILE/HALF-RASP
For all-purpose home and shop use. Length: 8".
BK **XHB-8**



GENERAL-PURPOSE FILE
Steel file with plastic handle is deal for sharpening saws, knives, garden tools and scissors. Can also be used for draw filing, lathe work and general shop use. Length: 8".
BK **XHM-8**



GENERAL-PURPOSE ROUND FILE
Perfect for enlarging holes, sharpening circular saw gullets, rounding grooves and general shop use. Plastic handle features sure-grip for control. Length: 8".
BK **XHR-8**



BK **XM-8**

GENERAL-PURPOSE MILL BASTARD FILES
Medium-cut, double-sided files are ideal for multiple applications.

Item No.	Description
BK **XM-6**	6" Length
BK **XM-8**	8" Length
BK **XM-10**	10" Length
BK **XM-12**	12" Length
BK **XM-14**	14" Length



GENERAL-PURPOSE ROUND BASTARD FILES
Tapered, round medium-cut files are ideal for enlarging circular openings and filing curved surfaces.

Item No.	Description
BK **XR-6**	6" Length
BK **XR-8**	8" Length
BK **XR-10**	10" Length
BK **XR-12**	12" Length



GENERAL-PURPOSE FLAT BASTARD FILE
Medium-cut, double-sided file is ideal for multiple applications. Length: 10".
BK **XF-10**



GENERAL-PURPOSE HALF-ROUND BASTARD FILE
Medium-cut, double-sided file is ideal for multiple applications. Length 10".
BK **XH-10**



EXTRA-SLIM TAPER FILE
Ideal for use on small parts. Length: 6".
BK **XE-6**



ROUND CHAIN SAW FILES *BK* **XS-12**
For sharpening chain saw blades. Round, 7/32".
BK **XS-12** 8" Length
BK **XS-14** 8 1/4" Length



WOODEN REPLACEMENT FILE HANDLE
Comfortable fit for multiple files. Weight: 7 oz. Length: 3".
BK **X-286**

CAUTION: Always wear eye and face protection.


APX **0090AC**

GENERAL PURPOSE CENTER CUT BOLT CUTTERS

- Drop-forged jaws with center-cut blades
- Heat treated for wear resistance and long cutting life
- Toggle joints turn 50 lbs. hand pressure to 4000 lbs. of cutting pressure
- Precision cast, 1-piece, aluminum alloy handles with rubber grips

APX **0090AC** 18"
APX **0190AC** 24"


APX **0190MC**

INDUSTRIAL GRADE CENTER CUT BOLT CUTTERS

- General plant maintenance tool cuts soft and hard materials
- Toggle joint turns 50 lbs. hand pressure to 4000 lbs. cutting pressure
- Lock plate keeps jaws from loosening
- Steel handles with rubber grips

Item No.	Description	Item No.	Description
APX **1490MC**	14"	*APX* **0290MC**	30"
APX **0090MC**	18"	*APX* **0390MC**	36"
APX **0190MC**	24"	*APX* **0590MC**	42"

EVERCRAFT


BK **774-3220**

COMFORT-GRIP BOLT CUTTERS

Drop-forged steel construction with center-cut, chrome-vanadium steel blades. Cut through steel with a hardness quotient of up to HRC40. Exceed Federal Specification No.: GGG-C-740D Type I, Class 3 and 4.

Item No.	Description
BK **774-3220**	14" Length
BK **774-3221**	18" Length
BK **774-3222**	24" Length

IRWIN



OFFSET SNIPS

- Blade design facilitates tight circular cuts
- Over-molded ProTouch™ grips resist twisting and will not slip off
- Optimized torsion spring increases reliability and durability
- 10% reduced hand span increases control
- Design keeps hands safely above work surface

VG **2073211** Offset Snips, Cuts Straight and Angles or Curves Left
VG **2073212** Offset Snips, Cuts Straight and Angles or Curves Right

EVERCRAFT


BK **775-3438**


BK **775-3437**

OFFSET SNIPS

Curved blades pivot easily for continuous cutting of mild steel, sheet metal, plastic, wire and cloth. Offset design keeps hands safely above cut. Chrome vanadium blades for strength and long life. $9\frac{3}{4}$".

Item No.	Description
BK **775-3437**	Left/Straight Cut Offset Snip
BK **775-3438**	Right/Straight Cut Offset Snip

IRWIN



3 PC. SNIP SET

Provides a variety of solutions for cutting thin to thick materials; contains a utility snip for left, straight and right cuts, a multi-purpose extra cut snip with a $3\frac{1}{8}$" length of cut and a thinner snip for thinner materials.

VG **2073704**

IRWIN

VG **2073113**



AVIATION SNIPS

- ProTouch™ Grips, ergonomic design reduces hand fatigue
- Hot drop forged steel blades increase strength and durability
- Serrated blades grip material for smoother cuts
- Over-wound torsion spring designed for longer life
- $1\frac{5}{16}$" length cuts
- 18 gauge cold-roll steel cutting capacity
- 23 gauge stainless steel cutting capacity

VG **2073111** Aviation Snip, Compound Leverage, Cuts Left and Straight
VG **2073112** Aviation Snip, Compound Leverage, Cuts Right and Straight
VG **2073113** Aviation Snip, Compound Leverage, Cuts Straight and Wide Curves

CAUTION: Always wear eye and face protection.

Wiss®



APX **M1R** *APX* **M2R** *APX* **M3R**

AVIATION SNIPS

- Cuts left from tight curves to straight
- Spring-action for fast, effortless feed
- Non-slip, textured grips and safety latch
- Non-slip serrated molybdenum steel jaw holds material firmly and uniformly spreads cutting force across blade edge

Item No.	Descriptions
APX **M1R**	Left cut, cuts left from tight curves to straight, red handle
APX **M2R**	Right cut, cuts right from tight curves to straight, green handle
APX **M3R**	Straight cut, cuts straight and slight curves to straight, yellow handle

DEWALT



AVIATION SNIPS

- Flush hardware allows smooth access from pouch
- 25% larger pivot bolt than leading competitors for longer tool life
- Internal locking mechanism with auto release
- Forged chrome molybdenum alloy blade material
- Handle length: 6.50"

Item No.	Description	Blade Length	Cutting Capacity	Weight (lbs.)
DEW **DWHT70282**	Bulldog	0.86"	16 ga. cold rolled steel, 20 ga. stainless steel	0.97
DEW **DWHT70283**	Offset Left	1.30"	18 ga. cold rolled steel, 22 ga. stainless steel	1.07
DEW **DWHT70284**	Offset Right	1.30"	18 ga. cold rolled steel, 22 ga. stainless steel	1.08
DEW **DWHT70279**	Center	1.50"	18 ga. cold rolled steel, 22 ga. stainless steel	0.88
DEW **DWHT70280**	Left	1.40"	18 ga. cold rolled steel, 22 ga. stainless steel	0.87
DEW **DWHT70281**	Right	1.40"	18 ga. cold rolled steel, 22 ga. stainless steel	0.85
Aviation Snip Set				
DEW **DWHT70278**	3 pack (*DEW* **DWHT70279**, *DEW* **DWHT70280**, *DEW* **DWHT70281**)			3.11

EVERCRAFT™

BK **775-3434**



AVIATION TIN SNIPS

Curved blades pivot easily for continuous cutting of mild steel, sheet metal, plastic, wire and cloth. Chrome-vanadium steel blades for strength and durability. Length: 10".

BK **775-3434** Left Cut Aviation Tin Snip
BK **775-3435** Right Cut Aviation Tin Snip

EVERCRAFT™



2 PC. AVIATION & STRAIGHT-CUT TIN SNIP SET

Chrome-vanadium steel blades for strength and durability with anti-slip comfort-grip handles. Length: 10".

BK **775-3444**

Contents

Qty.	Description
1	Aviation-Style
1	Straight-Style

EVERCRAFT™

BK **775-3439**



STRAIGHT-CUT TIN SNIPS

Designed for making straight or circular cuts in mild sheet metal, screening, chicken wire, linoleum, canvas and other soft materials. Drop-forged steel blades and cushioned handles for secure grip.

BK **775-3439** 7" Length, Straight-Cut Tin Snip
BK **775-3441** 12" Length, Straight-Cut Tin Snip

NAPA HAND TOOLS



TUBULAR ADJUSTABLE HACKSAW

Bi-metal 12 in. blade. Can cut at a 45° or 90° angle.
Overall Length: 16¼". Weight: 1 lb.

BK **HSF-14**

NAPA HAND TOOLS



DELUXE 12 IN. HACKSAW

Multi-angle adjustment (45°/90°/135°/180°). Features comfort-grip handle and storage area for 12" replacement blades. One 12", bimetal blade included.

BK **HSF-16**

CAUTION: Always wear eye and face protection.



DUAL-GRIP HACKSAW
Quick-release blade with storage for spares. Multi-angle adjustment (45°/90°/135°/180°). Length: 12".

BK **HDG-12**



CLOSE-QUARTERS HACKSAW
Perfect for cutting brass, copper, iron pipe, PVC and wood in tight spaces. Length: 6".

BK **HCQ-6**



QUICK-SAW 8-1/2 IN. HACKSAW
Features sturdy screwdriver handle for a sure grip and allows for standard reciprocating saw blade. Two blades included.

BK **HSF-11**



FLEXIBLE HACKSAW BLADES
BK **TS-1232**

High-carbon construction for general use, including cutting all non-ferrous metals and low-carbon steel. Width: 1/2". Thickness: 0.025". Weight: 4 oz.

Item No.	Description
BK **TS-1018**	10" Length, 18 Teeth
BK **TS-1024**	10" Length, 24 Teeth
BK **TS-1218**	12" Length, 18 Teeth
BK **TS-1224**	12" Length, 24 Teeth
BK **TS-1232**	12" Length; 32 Teeth



PROFESSIONAL GRADE BI-METAL HACKSAW BLADES
Alloy blades make quick, clean cuts in nickel, high-carbon steel and other tough alloys. For professional use. Width: 1/2". Thickness: 0.025". Weight: 4 oz.

Item No.	Description
BK **MO-1018**	10" Length, 18-Teeth
BK **MO-1024**	10" Length, 24-Teeth
BK **MO-1032**	10" Length, 32-Teeth
BK **MO-1218**	12" Length, 18-Teeth
BK **MO-1224**	12" Length, 24-Teeth
BK **MO-1232**	12" Length, 32-Teeth



EVERCRAFT HACKSAW BLADES
6" blade, 24 teeth per inch. For use with close-quarters hacksaw.

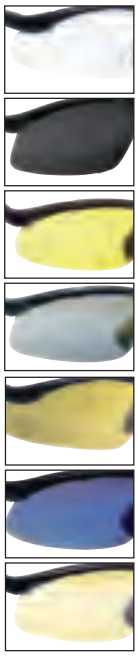
BK **775-0246**

CAUTION: Always wear eye and face protection.


Challenger Lifts
NAPA
BRAKE SERVICE

Emergency/Safety Kits 895
Eyewash Stations 879
Eyewear 874-878
Face Shields 878
Fire Extinguishers 899-900
First-Aid Kits 894-895
Flags & Signs 898
Flares 899
Gloves 885-890
Head Protection 892-893
Hearing Protection 893-894
Knee Pads & Back Supports 892
Oily Waste Cans 896
Protective Apparel 891-892
Respirator Filters 881-882
Respirators 879-881
Safety Cabinets 895
Safety Cones 898
Safety Vests 897-898
Spill Control & Containment 896-897
Supplied-Air Systems & Accessories 882-885





SIDEWINDERS™ SAFETY GLASSES

- High-impact polycarbonate lenses
- Scratch-resistant lenses
- Anti-fog coating on lenses
- 99.9% UV protection
- Adjustable temples to fit a variety of face sizes
- Ribbed non-slip nose cushion
- Ratchet inclination
- Meets Current ANSI Z87.1+ standard

Poly Bag Item No.	Clamshell Pkg. Item No.	Lens Color
SAS **541-0000**	SAS **541-0010**	Clear
SAS **541-0001**	SAS **541-0011**	Gray
SAS **541-0002**	—	Yellow
SAS **541-0003**	—	Silver Mirror
SAS **541-0004**	—	Gold Mirror
SAS **541-0005**	SAS **541-0015**	Blue Mirror
SAS **541-0006**	SAS **541-0016**	Indoor/Outdoor Mirror



SIDEWINDER™ READERS

- Diopter lenses 5 magnification strengths
- Adjustable temples to fit a variety of face sizes
- Soft, non-slip nose bridge
- Ratchet inclination
- Non-slip rubber nose piece
- Meets Current ANSI Z87.1+ standard

Poly Bag Item No.	Lens Strength
SAS **541-1000**	1.0x
SAS **541-1500**	1.5x
SAS **541-2000**	2.0x
SAS **541-2500**	2.5x
SAS **541-3000**	3.0x



SAS **540-0400**



SAS **540-0401**



SAS **540-0402**



SAS **540-0403**



SAS **540-0500**



SAS **540-0501**



SAS **540-0502**



SAS **540-0503**



SAS **540-0509**



SAS **540-0600**



SAS **540-0601**



SAS **540-0602**



SAS **540-0603**



SAS **540-0605**



SAS **540-0700**



SAS **540-0701**



SAS **540-0702**



SAS **540-0703**



SAS **540-0809**



SAS **540-0909**

DB2™ SAFETY EYEWEAR

- High-impact polycarbonate lenses
- Scratch-resistant lenses
- Anti-fog coating on lenses
- 99.9% UV protection
- Non-slip temples
- Non-slip nose piece
- Wrap-around design hugs the face
- Meets Current ANSI Z87.1+ standard

Poly Bag Item No.	Frame Color	Lens Color
SAS **540-0400**	Red	Clear
SAS **540-0401**	Red	Gray
SAS **540-0402**	Red	Indoor/Outdoor
SAS **540-0403**	Red	Mirror
SAS **540-0500**	Silver	Clear
SAS **540-0501**	Silver	Gray
SAS **540-0502**	Silver	Indoor/Outdoor
SAS **540-0503**	Silver	Mirror
SAS **540-0509**	Silver	Ice Blue Lens*
SAS **540-0600**	Black	Clear
SAS **540-0601**	Black	Gray
SAS **540-0602**	Black	Indoor/Outdoor
SAS **540-0603**	Black	Mirror
SAS **540-0605**	Black	Yellow
SAS **540-0700**	Blue	Clear
SAS **540-0701**	Blue	Gray
SAS **540-0702**	Blue	Indoor/Outdoor
SAS **540-0703**	Blue	Mirror
SAS **540-0809**	Charcoal	Purple Haze*
SAS **540-0909**	Gold	Iridium*

Anti-fog unavailable on Iridium, Ice Blue, and Purple Haze Lenses

LED INSPECTORS



- Ultra-Bright Built-in LED lights
- High-impact polycarbonate lenses
- Scratch-resistant lenses
- Anti-fog coating on lenses
- 99.9% UV protection
- Non-Slip nose piece
- On/Off switch LR44 batteries included
- Meets Current ANSI Z87.1+ standard

SAS **5420-50**





NSX TURBO SAFETY EYEWEAR

- High-impact polycarbonate lens
- 99.9% UV protection
- Single lens design
- Scratch-resistant lens
- Lightweight wrap-around lens
- Meets Current ANSI Z87.1+ standard

Item No.	Description
SAS **5330**	Clear
SAS **5331**	Gray
SAS **5332**	Yellow
SAS **5333**	Light Blue
SAS **5334**	Indoor/Outdoor Mirror



DB CARBON SAFETY EYEWEAR

- Meets Current ANSI Z87.1+ Standard
- High-impact polycarbonate lenses
- 99.9% UV protection
- Scratch-resistant lenses
- Anti-fog coating

SAS **543-3000** Clear
SAS **543-3001** Gray



LANYARD FOR EYEGLASSES

- 100% comfortable cotton
- Bead adjusts for superb fit

Note: Glasses not included.

SAS **5211**





NSX™ SAFETY GLASSES

- High-impact polycarbonate lens
- Single lens design
- Scratch-resistant lens
- Anti-fog coating on lens
- 99.9% UV protection
- Lightweight wrap-around lens
- Meets Current ANSI Z87.1+ standard

Poly Bag Item No.	Clamshell Item No.	Lens Color
SAS **5340**	*SAS* **5340-50**	Clear
SAS **5341**	*SAS* **5341-50**	Yellow
SAS **5342**	*SAS* **5342-50**	Orange
SAS **5343**	*SAS* **5343-50**	Gray
SAS **5344**	*SAS* **5344-50**	Gold Mirror
SAS **5345**	*SAS* **5345-50**	Indoor/Outdoor Mirror

NSX™ SHADE 5

- Shade 5 lens
- Torch Brazing
- Light Gas Welding
- Soldering
- Light to Medium Cutting

SAS **5346**







DIAMONDBACKS™ SAFETY GLASSES

- High-impact polycarbonate lenses
- Scratch-resistant lenses
- Anti-fog coating on lenses
- 99.9% UV protection
- Wrap-around design hugs the face
- Non-slip rubber nose piece
- Non-slip temples
- Meets Current ANSI Z87.1+ standard

Poly Bag Item No.	Clamshell Item No.	Frame Color	Lens Color
SAS **540-0000**	*SAS* **540-0010**	Red	Clear
SAS **540-0001**	*SAS* **540-0011**	Red	Gray
SAS **540-0003**	*SAS* **540-0013**	Red	Smoke Mirror
SAS **540-0100**	*SAS* **540-0110**	Gray	Clear
SAS **540-0101**	*SAS* **540-0111**	Gray	Gray
SAS **540-0103**	*SAS* **540-0113**	Gray	Smoke Mirror
SAS **540-0200**	*SAS* **540-0210**	Black	Clear
SAS **540-0201**	*SAS* **540-0211**	Black	Gray
SAS **540-0203**	*SAS* **540-0213**	Black	Smoke Mirror
SAS **540-0205**	*SAS* **540-0215**	Black	Yellow
SAS **540-0300**	*SAS* **540-0310**	Blue	Clear
SAS **540-0301**	*SAS* **540-0311**	Blue	Gray
SAS **540-0303**	*SAS* **540-0313**	Blue	Smoke Mirror

SAS SAFETY CORP.



STINGERS™ SAFETY GLASSES

- Impact polycarbonate lenses
- 99.9% UV protection
- Scratch-resistant lenses
- Non-slip rubberized temple for maximum comfort
- Meets Current ANSI Z87.1 standard

Poly Bag Item No.	Clamshell Item No.	Frame Color	Lens Color
SAS **5180**	*SAS* **5180-50**	Black	Clear
SAS **5181**	*SAS* **5181-50**	Black	Yellow
SAS **5182**	*SAS* **5182-50**	Black	Gray
SAS **5183**	*SAS* **5183-50**	Black	Blue Mirror



SAS **542-0100**



SAS **542-0101**



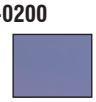
SAS **542-0109**



SAS **542-0200**



SAS **542-0201**



SAS **542-0209**



SAS **542-0300**



SAS **542-0301**



SAS **542-0309**

GTR™ SAFETY EYEWEAR

- High-impact polycarbonate lenses
- Scratch-resistant lenses
- Anti-fog coating on lenses
- 99.9% UV protection
- Wrap-around design hugs the face
- Non-slip temples
- Non-slip rubber nose piece
- Meets Current ANSI Z87.1 standard

Poly Bag Item No.	Frame Color	Lens Color
SAS **542-0100**	Gold	Clear
SAS **542-0101**	Gold	Shade
SAS **542-0109**	Gold	Iridium*
SAS **542-0200**	Silver	Clear
SAS **542-0201**	Silver	Shade
SAS **542-0209**	Silver	Ice Blue
SAS **542-0300**	Charcoal	Clear
SAS **542-0301**	Charcoal	Shade
SAS **542-0309**	Charcoal	Purple Haze

Anti-fog unavailable on Iridium, Ice Blue, and Purple Haze Lenses

WORKER BEES™ SAFETY GLASSES



- Scratch-resistant lens
- Impact polycarbonate lens
- 99.9% UV protection
- Ideal visitor specs
- Fits over most prescription glasses
- Meets Current ANSI Z87.1 standard

Poly Bag Item No.	Lens Color
SAS **5120**	Clear









HORNETS™ SAFETY GLASSES

- Impact polycarbonate lens
- 99.9% UV protection
- Scratch-resistant lens
- Molded-in side shields
- Adjustable temples for excellent fit
- Meets Current ANSI Z87.1 standard

Poly Bag Item No.	Frame Color	Lens Color
SAS **5267**	Blue	Clear
SAS **5270**	Black	Clear
SAS **5272**	Red	Clear
SAS **5277**	Red/White/Blue	Clear
SAS **5276**	Black	Gray

CLASSIC STYLE™ SAFETY GLASSES



- Impact resistant
- 99.9% UV protection
- Hard coated, polycarbonate lenses
- Lightweight comfort
- Meets ANSI Z87.1 standard

Poly Bag Item No.	Lens Color	Description
SAS **5125**	Clear	Black Plastic Frame



VX9™ SAFETY GLASSES



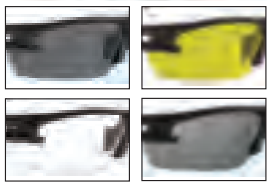
- Wrap-around frame design
- Non-slip rubber nose piece
- Non-slip temples
- Impact resistant
- 99.9 UV Protection
- Anti-fog and scratch resistant coating on lens
- Meets ANSI Z87.1–2010

Part No.	Frame Color	Lens Color
SAS **5510-01**	Black	Clear
SAS **5510-02**	Black	Gray
SAS **5510-03**	Black	Yellow
SAS **5510-04**	Black	Mirror



SPECTRO™ SAFETY GLASSES

- Sporty wrap-around frame design
- Non-slip adjustable rubber nose piece
- Impact resistant
- 99.9 UV protection
- Anti-fog and scratch resistant coating on lens
- Meets ANSI Z87.1–2010

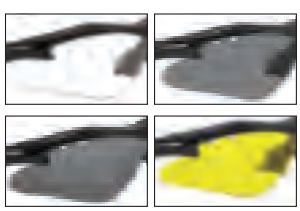


Part No.	Frame Color	Lens Color
SAS **5511-01**	Black	Clear
SAS **5511-02**	Black	Gray
SAS **5511-03**	Black	Yellow
SAS **5511-04**	Black	Mirror



VULCAN™ SAFETY GLASSES

- Foam padded brow guard
- Detachable/adjustable elastic fabric strap
- Non-slip rubber nose piece
- Impact resistant
- 99.9 UV protection
- Anti-fog and scratch resistant coating on lens
- Meets ANSI Z87.1–2010



Part No.	Frame Color	Lens Color
SAS **5512-01**	Black	Clear
SAS **5512-02**	Black	Gray
SAS **5512-03**	Black	Yellow
SAS **5512-04**	Black	Mirror



CAMO SAFETY GLASSES

- Full frame with wide temple arms
- Eva foam padding for:
  – Nose pieces
  – Brow guard
  – Around the lenses
- Impact resistant
- 99.9 UV protection
- Anti-fog and scratch resistant coating on lens
- Meets ANSI Z87.1–2010



Part No.	Frame Design	Lens Color
SAS **5550-01**	Dry Forest	Clear
SAS **5550-02**	Dry Forest	Gray
SAS **5550-03**	Dry Forest	Yellow



SAFETY GLASSES

Specially designed, OSHA-approved safety glasses have coated plastic lenses to help prevent scratches. Top and side shields assist in preventing eye injury to the wearer.

CAUTION: Will not protect against ultraviolet radiation or weld flash.

SER **3275**

SMALL DISPOSABLE CLEANING STATION

- Features 600 easy-dispensing non-abrasive, low-lint 3" x 8" lens tissues
- 8 oz. anti-static, anti-fog, non-silicone lens cleaner may be mounted to the wall or used as a tabletop dispenser.
- Dimensions: 7" w x 8¼" h x 5⅛"d

SAS **5205**





ZION X™ SAFETY GOGGLES

- Impact-resistant polycarbonate lens with black ventilated rubber seal
- Great for impact protection and chemical splash protection
- Indirect ventilated rubber seal
- Adjustable elastic fabric 1" head strap
- Impact resistant
- 99.9 UV Protection
- Anti-fog And Scratch Resistant Coating On Lens
- Meets ANSI Z87.1–2010



Part No.	Lens Color
SAS **5104-01**	Clear
SAS **5104-02**	Gray
SAS **5104-03**	Yellow
SAS **5104-04**	Mirror



DELUXE OVERSPRAY GOGGLES

- Impact resistant polycarbonate lens
- Anti-splash: special vents prevent liquid from getting into eyes
- Sport style design with wide elastic headstrap
- Flexible PVC construction
- Anti-fog coating on lens
- 99.9% UV protection
- Meets Current ANSI Z87.1 Standard



Item No.	Description	Qty.
SAS **5106**	Safety Goggle	1
SAS **5106-10**	Peel-Off Lens Covers	Pkg. of 10

OVERSPRAY GOGGLES



- Impact resistant polycarbonate lens
- Anti-splash: special vents prevent liquid from getting into eyes
- Flexible PVC construction with wide elastic headstrap
- Anti-fog coating on lens
- 99.9% UV protection
- Meets Current ANSI Z87.1 Standard



Item No.	Description	Qty.
SAS **5110**	Safety Goggle	1
SAS **5111**	Peel-Off Lens Covers	Pkg. of 10

STANDARD GOGGLES



- Impact-resistant polycarbonate lens
- Economical eye protection
- Flexible PVC construction
- Elastic headstrap
- 99.9% UV protection
- Meets Current ANSI Z87.1 Standard

SAS **5101**

CHEMICAL-SPLASH GOGGLES



- Impact resistant polycarbonate lens
- Anti-splash: special vents prevent liquid from getting into eyes
- Elastic headstrap
- Flexible PVC construction
- 99.9% UV protection
- Meets Current ANSI Z87.1 Standard

SAS **5109**

STANDARD FACE SHIELDS



- High-impact polycarbonate lens
- 8" x 15½", 0.06" thickness
- Pre-injected curved lens
- Ratcheting adjustable headpiece
- Not for welding
- Meets Current ANSI Z87.1 Standard

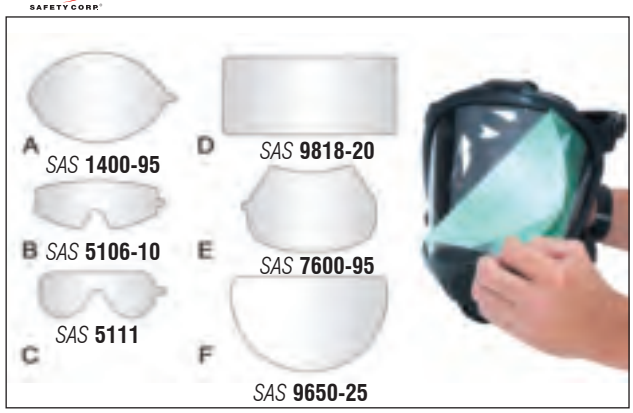
Item No.	Description
SAS **5140**	Face Shield - Clear
SAS **5142**	Face Shield - Green
SAS **5150**	Replacement Shield - Clear
SAS **5152**	Replacement Shield - Green

SAFETY GOGGLES



Goggles protect eyes from chemical splashes.
CAUTION: Not impact-resistant. For chemical and anti-splash protection only.

SER **2054**



PEEL-OFF LENS COVERS

Covers protect lens against paint and chemical overspray

Item No.	Description	Qty.
SAS **1400-95**	For Full Face Mask (Blue/Gray)	25 (A)
SAS **5106-10**	For Deluxe Overspray Goggles	10 (B)
SAS **5111**	For Overspray Goggles	10 (C)
SAS **9818-20**	For Hood	10 (D)
SAS **7600-95**	For Opti-Fit Full Face Mask	25 (E)
SAS **9650-25**	For Flip-Vue Visor	25 (F)

DELUXE FACE SHIELDS



- High-impact polycarbonate lens
- 8" x 15½", 0.06" thickness
- Pre-injected curved lens
- Aspherical lens
- Ratcheting adjustable headpiece
- Extra-large spark guard
- Not for welding
- Meets Current ANSI Z87.1 Standard

Item No.	Description
SAS **5145**	Face Shield - Clear
SAS **5147**	Face Shield - Green
SAS **5155**	Replacement Shield - Clear
SAS **5157**	Replacement Shield - Green



PORTABLE EYEWASH STATION

Lack of an emergency eyewash station is one of the top OSHA citations. Protect employees as required by law and guard against personal injury claims. Station comes with water preservative. Change water every 90 days.

- Compliance - ANSI Z358.1
- 1-hand operation
- Gravity fed, no plumbing required
- Holds 15 gallons of water
- 15-minute flow time
- Potable unit measures 11½" x 19½" x 25"
- Locking cap
- Mounting bracket, inspection tag, and preservative

Item No.	Description
SAS **5135**	Eyewash Station
SAS **5136**	Preservative for Eyewash
SAS **5137**	Eyewash Inspection Tag



PERSONAL EYEWASH STATION

- Dual-bottle eyewash station for temporary first-aid until victim can reach a larger unit
- Durable plastic station available includes two 16 oz. bottles
- Bottles have twist-off tops
- Directions printed on station for fast reference

SAS **5132** Eyewash Station, Dual-Bottle
SAS **5130** Eyewash/Irrigate Bottle

NUISANCE DUST MASKS

- Soft, flexible nosepiece permits individual adjustment to face
- This one-size-fits-all mask is perfect for home, farm, and garden use
- Suitable for workshop, pollen, sweeping, gardening, farm work, cleaning, and protection against other non-toxic airborne dusts
- Compact design easily worn with glasses and goggles

CAUTION: For Comfort Use Only. Not NIOSH Approved.

SAS **2985** Box of 50
SAS **2986** Pack of 5



SAS **2985**



SAS **2986**

N95 PARTICULATE RESPIRATORS

- Inner foam provides a custom seal
- Dual head strap for optimum fit
- Maintenance-free
- NIOSH Approved

SAS **8610** Box of 20
SAS **8610-50** Pack of 2



SAS **8610-50**



SAS **8610**

N95 VALVED PARTICULATE RESPIRATORS

- Exhalation valve for extra comfort
- Inner foam provides a custom seal
- Dual head strap for optimum fit
- Maintenance-free
- NIOSH Approved

SAS **8611** Box of 10



N95 PARTICULATE RESPIRATORS

- Dual head strap for optimum fit
- New Seal Cushion™ provides exceptional comfort
- Maintenance-free
- NIOSH Approved

SAS **8710** Box of 20



N95 VALVED PARTICULATE RESPIRATOR

- Exhalation valve for extra comfort
- New Seal Cushion provides exceptional comfort
- Dual head strap for optimum fit
- Maintenance-free
- NIOSH Approved



SAS **8711** Box of 10

N95 VALVED ACTIVE CARBON RESPIRATORS

- Active carbon melt-blown pre-filter (can absorb the nuisance organic vapors below PEL)
- Exhalation valve for extra comfort
- New seal cushion provides exceptional comfort
- Dual head strap for optimum fit
- NIOSH Approved



SAS **8712-50**



SAS **8712**

SAS **8712** Box of 10
SAS **8712-50** Pack of 1

PROFESSIONAL BLUE HALF-MASK RESPIRATORS

- High quality silicone face piece designed for maximum comfort and fit
- Unique sliding adjustment system on head harness keeps strap ends secure and out of wearers vision
- Yoke and head harness design eliminates face piece slippage
- NIOSH Approved TC-84A-1427 (OV & N95)
- NIOSH Approved TC-84A-1805 (OV & N99/R95)



Item No.	Size	Cartridge/Filter
SAS **2661-50**	Medium	Organic Vapors / N95 Particulate
SAS **2761-50**	Large	Organic Vapors / N95 Particulate
SAS **2671-50**	Medium	Organic Vapors/ N99/R95 Particulate
SAS **2771-50**	Large	Organic Vapors/ N99/R95 Particulate

P100 MULTI-USE RESPIRATORS

- Universal nose fit
- Large sealing surface for excellent fit
- Advanced yoke design for a secure comfortable no-slip fit
- Made of durable silicone
- NIOSH approved TC-84A-1239



SAS **3650-50** Medium P100
SAS **3750-50** Large P100

MULTI-USE DUAL CARTRIDGE RESPIRATORS

- Universal nose fit
- Large sealing surface for excellent fit
- Advanced yoke design for a secure comfortable no-slip fit
- Made of durable silicone
- NIOSH Approved TC-84A-1427 (OV & N95)
- NIOSH Approved TC-84A-1805 (OV & N99/R95)



Item No.	Size	Cartridge/Filter
SAS **3661-50**	Medium	Organic Vapors/N95 Particulate
SAS **3761-50**	Large	Organic Vapors/N95 Particulate
SAS **3671-50**	Medium	Organic Vapors/N99/R95 Particulate
SAS **3771-50**	Large	Organic Vapors/N99/R95 Particulate

CARTRIDGE/FILTER COMBO PACKS P100 FILTER REPLACEMENT KIT

At least 99.97% efficient against all types of particulate aerosols. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1050-50**



ORGANIC VAPORS CARTRIDGE & N95 FILTERS COMBO KIT

Approved for use against organic vapors. N95 Filters are at least 95% efficient against particulate aerosols free of oil. Time use restrictions may apply. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1061-50**



ORGANIC VAPORS CARTRIDGE & N99/R95 FILTERS COMBO KIT

Approved for use against organic vapors. N99/R95 Filters are at least 95% efficient against all types of particulate aerosols. Time use restrictions may apply. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1071-50**



SAS SAFETY CORP.

BREATHEMATE™



- Comfortable fit and superior protection
- Lightweight material reduces user fatigue
- Unique head strap design allows for a secure non-slip fit
- NIOSH approved

Item No.	Size	Cartridge/Filter
SAS **311-2115**	Medium	Organic Vapor/N95 Particulate
SAS **311-3115**	Large	Organic Vapor/N95 Particulate

Replacement Parts

Item No.	Description	Qty
SAS **300-1001**	Organic Vapor Cartridges	Box of 6 each
SAS **300-1060**	Replacement N95 Filters	Box of 12 pair

BREATHEMATE™ HALF MASK BUNDLE

The BreatheMate bundle is an innovative, all-in-one, cost-saving package that is designed to save money and time. This all inclusive bundle includes the BreatheMate Half Mask Respirator, organic vapor cartridges, N95 or R95 particulate filters and wipes.

Bundle Includes

Qty.	Description
1	Half Mask with Filter Retainers
1 Box	(12 pairs) of N95 or R95 Particulate Filters
1 Box	(3 pairs) Organic Vapor Cartridges
1 Box	FREE Bonus Accessory Pack (10 Respirator Wipes & 1 Storage Bag)



SAS **031-2115** Medium Organic Vapor/N9
SAS **031-3115** Large Organic Vapor/N95

BREATHEMATE ORGANIC VAPOR CARTRIDGE AND N95 FILTER COMBO KIT



- Box of 2
- Approved for use against organic vapor
- Do not exceed maximum-use concentrations established by regulatory standards
- At least 95% efficient against particulate aerosols free of oil. Time restrictions may apply

SAS **300-1061**

OPTI-FIT™ FULL-FACE RESPIRATORS



- Silicone skirt offers exceptional durability and comfort
- Nose cup prevents fogging
- Wide viewing area offering distortion-free visibility and optical clarity
- 5-point headstrap
- Replaceable, polycarbonate lens treated with anti-scratch coating
- Easily converts to supplied-air respirator without the aid of tools
- NIOSH Approved TC-84A-1420 (OV & N95)

Item No.	Size	Cartridge/Filter
SAS **7650-61**	Medium	Organic Vapors / N95 Particulate
SAS **7750-61**	Large	Organic Vapors / N95 Particulate

BANDIT DISPOSABLE HALF-MASK RESPIRATORS



- Face piece is supple, form fitting and can be worn for hours—No more over-tightening head straps!
- Cartridges designed for better vision and balance
- Replacement N95 filters available (*SAS* **8661-22**)
- NIOSH approved

Item No.	Size	Cartridge/Filter
SAS **8661-92**	Medium	Organic Vapors / N95 Particulate
SAS **8661-93**	Large	Organic Vapors / N95 Particulate

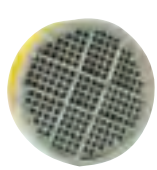
ORGANIC VAPORS CARTRIDGE



Approved for use against organic vapors. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1001-00** Box of 6 each

ORGANIC VAPORS/ACID GASES CARTRIDGE



Approved for use against organic vapors, chlorine, hydrogen chloride, sulfur dioxide, or chlorine dioxide, hydrogen fluoride, or hydrogen sulfide (escape only). Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1003-00** Box of 6 each

AMMONIA/METHYLAMINE CARTRIDGE



Approved for use against ammonia and methylamine. Do not exceed maximum use concentrations established by regulatory standards.

SAS **1004-00** Box of 6 each

BANDIT N95 FILTER



At least 95% efficient against non-oil particulate aerosols. Time use restrictions may apply. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **8661-22** Box of 5 pair

BANDIT R95 FILTER

At least R95 minimum filter efficiency of 95% for particulates including oil based liquid aerosol. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **8671-28** Box of 5 pair



N95 PARTICULATE FILTER

At least 95% efficient against particulate aerosols free of oil. Time use restrictions may apply. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1060-00** Box of 12 pair



N99/R95 PARTICULATE FILTER

At least 99% efficient against particulate aerosols free of oil. 95% efficient against particulate aerosols oil and non-oil based. Time use restrictions may apply. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1070-00** Box of 12 pair



P100 FILTER

At least 99.97% efficient against particulate aerosols free of oil. Do not exceed maximum-use concentrations established by regulatory standards.

SAS **1050-00** Box of 5 pair





ONE-MAN OPTI-FIT™ FULL-MASK SUPPLIED-AIR SYSTEM

SAS **9800-35**

Contents

Item No.	Description	Qty.
SAS **9805-00**	1/4-HP Oil-Less Air Pump	1
SAS **9852-42**	50' Lightweight PVC Breathing Air Line	1
SAS **9814-05**	Full Face Opti-Fit™ Supplied-Air Respirator with Belt	1



ONE-MAN HALF-MASK SUPPLIED-AIR SYSTEM

SAS **9800-32**

Contents

Item No.	Description	Qty.
SAS **9805-00**	1/4-HP Oil-less Air Pump	1
SAS **9852-42**	50' Lightweight PVC Breathing Air Line	1
SAS **9810-02**	Half-Mask Supplied-Air Respirator with Belt Storage Bag and Overspray Goggles (*SAS* **5110**)	1
SAS **9700-56**	Booth Kit (5' Section of Air Hose for Quick Spray Booth Installation)	1



ONE-MAN LOW MAINTENANCE FULL-FACE SUPPLIED-AIR SYSTEM

SAS **3800-30**

Contents

Item No.	Description	Qty.
SAS **9806-00**	1/4-HP Oil-Less Air Pump	1
SAS **9852-32**	50' Lightweight PVC Breathing Air Line w/ Flow-thru Coupler	1
SAS **9814-05**	Opti-Fit™ Full Face Supplied-Air Respirator with Belt	1



ONE-MAN HOOD SUPPLIED-AIR SYSTEM

SAS **9800-18**

Contents

Item No.	Description	Qty.
SAS **9810-00**	3/4-HP One-man Oil-Less Air Pump	1
SAS **9852-42**	50' Lightweight PVC Breathing Air Line	1
SAS **9816-00**	Supplied-Air Hood with Belt	1
SAS **9700-58**	Booth Kit (5' Section of Air Hose for Quick	1



TWO-MAN HALF-MASK SUPPLIED-AIR SYSTEM

SAS **9800-22**

Contents

Item No.	Description	Qty
SAS **9820-00**	3/4-HP Oil-Less Air Pump	1
SAS **9852-42**	50' Lightweight PVC Breathing Air Line	2
SAS **9810-02**	Half-mask Supplied-Air Respirator and Overspray Goggles	2
SAS **9700-56**	Booth Kit (5' Section of Air Hose for Quick	2



ONE-MAN LOW MAINTENANCE HALF-MASK SUPPLIED-AIR SYSTEM

SAS **3800-32**

Contents

Item No.	Description	Qty.
SAS **9806-00**	1/4-HP Oil-Less Air Pump	1
SAS **9852-32**	50' Lightweight PVC Breathing Air Line w/ Flow-thru Coupler	1
SAS **9813-70**	Half-mask Supplied-Air Respirator with Belt and Storage Bag	1

ONE-MAN FLIP-VUE™ VISOR SUPPLIED-AIR SYSTEM

SAS **9800-19**

Contents

Item No.	Description	Qty.
SAS **9810-00**	3/4-HP One-man Oil-less Air Pump	1
SAS **9852-42**	50' Lightweight PVC Breathing Air Line	1
SAS **9650-00**	Visor Supplied-Air Full Face Mask	1
SAS **9700-56**	Booth Kit (5' Section of Air Hose for Quick Spray Booth Installation)	1





SAS **2001-00**

PURE-AIR 2000™ SYSTEMS

The Pure-Air 2000™ Breathing Air System is a breakthrough in respiratory protection! This extraordinary system uses just one air line to supply the user with clean, filtered, Grade D breathing air from electric shop compressors.

- Maintains pressure for use of spray equipment, sanders and all types of air tools
- Uses just one air line!
- Meets OSHA 29CFR 1910.134 requirements for providing grade D air*

PURE-AIR 2000™ UNIT WITH CO MONITOR

SAS **2001-00**

Contents

Item No.	Description
SAS **2001-02**	Pure-Air Filtration Unit
SAS **2001-95**	Battery Operated CO Monitor
SAS **3626**	6' Work Line Hose
SAS **9850-31**	Nylon Web Belt

PURE-AIR 2000™ UNIT

SAS **2001-01**

Contents

Item No.	Description
SAS **2001-02**	Pure-Air Filtration Unit
SAS **3626**	6' Work Line Hose
SAS **9850-31**	Nylon Web Belt

SAS SAFETY CORP.

REPLACEMENT FILTER

SAS **2001-50**



PURE-AIR 2000™ CO MONITOR

SAS **2001-95** Battery-Operated CO Monitor

SAS **2001-20** Barbed Orifice*

*** Barbed Orifice not included with CO Monitor**



SAS **2001-95**

FLIP-VUE™ SUPPLIED-AIR VISOR

- Works with a low pressure ambient air pump or compressed air filtration systems
- Precision ratcheting headpiece adjusts for a comfortable fit
- Lens Meets ANSI Z87 standard for impact
- Beard guard helps maintain positive pressure
- Employs Quiet-Kool technology
- NIOSH Approved

SAS **9650-00** Standard



OPTI-FIT™ SUPPLIED-AIR FULL FACE RESPIRATORS

- Silicone skirt offers exceptional durability and comfort
- Nose cup prevents fogging
- Viewing area offering distortion free visibility and optical clarity
- 5-point headstrap
- Replaceable, polycarbonate lens treated with anti-scratch coating
- Easily converts to APR cartridge style respirator without the aid of tools
- Lightweight downtube
- NIOSH Approved



Item No.	Description
SAS **9814-04**	Small
SAS **9814-05**	Medium
SAS **9814-06**	Large

PROFESSIONAL SUPPLIED-AIR HALF-MASKS

- Large sealing surface
- Overspray goggles
- Heavy-duty rubber downtube
- NIOSH Approved

SAS **9810-02** Medium
SAS **9813-20** Large



LOW MAINTENANCE SUPPLIED-AIR HALF-MASK

- Universal nose fit
- Advanced yoke design for a secure no-slip fit
- Lightweight downtube
- NIOSH Approved

SAS **9813-70** Medium



GEN-NEX™ SUPPLIED-AIR HOOD

- Hood made from Gen-Nex™ material
- Adjustable suspension system for precise fit and position
- Bib can be tucked into coveralls to cool upper body
- Lightweight downtube
- NIOSH Approved

SAS **9816-00**



AIR INTAKE EXTENSIONS

Use when necessary to extend pump air intake to ensure clean air to user. Extend intake up to 200 feet.



Item No.	Description
SAS **9700-25**	25' Inlet Hose Kit (1st section only)
SAS **9700-30**	25' Inlet Hose Extension
SAS **9840-25**	25' Inlet Hose Kit (1st section only, 1½-HP)

SAS **9700-01**

SAS **9700-14**



SAS **9700-02** *SAS* **9806-02**

AIR INTAKE/AIR EXHAUST FILTERS

- High quality
- Designed to keep dust and airborne particles from damaging pump
- Replace filters every 90 -100 running hours

Item No.	Description
SAS **9700-14**	Intake ¼ & ⅓-HP
SAS **9700-01**	Intake ½ & ¾-HP, and 1½-HP
SAS **9700-02**	Exhaust Filter
SAS **9806-02**	Exhaust Filter (For *SAS* **9806-00** Pump)

SAS SAFETY CORP.

PUMP SERVICE KITS



Service Kits Include:
- 1 Intake Filter
- 1 Exhaust Filter
- 1 Set Carbon Vanes (4)

Item No.	Description
SAS **9700-40**	1/4 & 1/3-HP Oil-Less Pump
SAS **9700-50**	1/2 and 3/4-HP (Models 0823/1023)
SAS **9700-51**	1 1/2 HP (Model 2567)

BREATHING AIR LINE KIT



Single low pressure air line hose for use with SAS Safety supplied air respirator systems. For use with low pressure air sources only.

Item No.	Description
SAS **9852-32**	50' Lightweight PVC Breathing Air Line w/ Flow-Thru Coupler
SAS **9852-41**	25' Lightweight PVC Breathing Air Line
SAS **9852-42**	50' Lightweight PVC Breathing Air Line
SAS **9852-44**	100' Lightweight PVC Breathing Air Line

MASK CLEANING WIPES (NON-ALCOHOL)





- Use mask cleaning wipes routinely for respirator maintenance
- Large 5 in x 8 in wipes
- Individually packaged
- Active ingredient: Benzalkonium Chloride
- For use on respirator face pieces where the manufacturer recommends using a non-alcohol cleaning wipe

SAS **1400-96** Dispenser Box of 100
SAS **1400-97** Economy Box of 30

SEAL CHECK AMPULES



- Isopropyl acetate
- Produces a banana-like smell for detection of leaks
- Easy to use

SAS **1400-98** Pack of 10

BITREX FIT TEST



- Qualitative fit test kit
- Bitrex produces a bitter taste for detection of leaks
- Needed for qualitative fit test
- Easy to use

SAS **9401-01**



NOSE CUP / SPECTACLE KIT / STORAGE BAG

- Nose cup kit with the full face respirator to help reduce fogging on the inside of the lens
- Spectacle kit is designed to hold prescription lenses
- Storage bag is airtight to protect your respirator from shop contaminants.

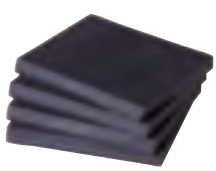
Item No.	Description
SAS **9413-17**	Nose Cup For Prof. Blue & Low Maintenance Gray
SAS **9411-03**	Spectacle Kit For Prof. Blue & Low Maintenance Gray
SAS **9401-18**	Respirator Storage Bag

PUMP COUPLERS & PLUGS



SAS **9700-10** Coupler 1/4" NPT
SAS **9813-21** Plug, Threaded 1/4" NPT

CARBON VANES



Item No.	Description	Qty
SAS **9700-53**	1/4-HP & 1/3-HP (Models 0522/0523)	4
SAS **9700-54**	1/2-HP & 3/4-HP (Models 0823/1023)	4
SAS **9700-55**	1 1/2-HP (Models 2567)	4

DERMA-PRO™



- Powder-free exam grade nitrile
- Thickness: 4 mil
- Provides comfort fit and durable wear
- Better puncture resistance
- Superior strength
- Box of 100 gloves
- Available in 5 sizes: Small to 2XLarge

Item No.	Size
SAS **66541**	Small
SAS **66542**	Medium
SAS **66543**	Large
SAS **66544**	X-Large
SAS **66545**	2X-Large

RAVEN™

- Powder-free exam grade nitrile
- Thickness: 6mil
- Free from latex and powders
- Outstanding strength, wear and dexterity
- Comfortable for wear
- Textured for excellent chemical resistance and great grip
- 100 gloves per box
- Available in 5 sizes: Small to 2X-Large

Item No.	Size
SAS **66516**	Small
SAS **66517**	Medium
SAS **66518**	Large
SAS **66519**	X-Large
SAS **66520**	2X-Large



THICKSTER™

- Powdered or Powder-free exam grade latex
- Thickness: 14 mil
- 12" length for added protection
- Beaded cuff for easy donning
- Textured for superior grip
- Strong yet soft and flexible
- 50 gloves per box
- Available 4 sizes: Medium to 2X-Large



Item No.	Size
Powdered	
SAS **6602**	Medium
SAS **6603**	Large
SAS **6604**	X-Large
SAS **6605**	2X-Large

Item No.	Size
Powder-Free	
SAS **6602-20**	Medium
SAS **6603-20**	Large
SAS **6604-20**	X-Large
SAS **6605-20**	2X-Large

DYNA GRIP™

- Powder-free exam grade latex
- Thickness: 7 mil
- Beaded cuff for easy on/off
- Textured surface for grip
- Delivers fit, comfort, flexibility, sensitivity and performance
- Easy slip-on
- 100 gloves per box
- Available in 5 sizes: Small to 2X-Large

Item No.	Size
SAS **650-1001**	Small
SAS **650-1002**	Medium
SAS **650-1003**	Large
SAS **650-1004**	X-Large
SAS **650-1005**	2X-Large



VALUE-TOUCH™

- Powdered latex
- Thickness: 5 mil
- Stretches and conforms for superior fit and feel
- Excellent touch sensitivity
- Textured for enhanced dexterity
- Economical latex protection
- 100 gloves per box
- Available in 4 sizes: Small to X-Large

Item No.	Size
SAS **6591**	Small
SAS **6592**	Medium
SAS **6593**	Large
SAS **6594**	X-Large



DERMA-LITE™

- Powdered nitrile or Powder-free exam grade nitrile
- Thickness: 5 mil
- Extraordinary strength and puncture resistance
- Great in wet/dry conditions
- Textured grip provides enhanced gripping power
- Latex-free
- 100 gloves per box
- Powdered available in 5 sizes: Small to 2X-Large
- Powder-free available in 4 sizes: Small to X-Large



Item No.	Size
Powdered	
SAS **6606**	Small
SAS **6607**	Medium
SAS **6608**	Large
SAS **6609**	X-Large
SAS **6610**	2X-Large

Item No.	Size
Powder-Free	
SAS **6606-20**	Small
SAS **6607-20**	Medium
SAS **6608-20**	Large
SAS **6609-20**	X-Large

DERMA-MAX™

- Powder-free exam grade nitrile
- Thickness: 8 mil
- Excellent sensitivity
- Rolled cuff for easy on/off
- Durable and comfortable
- Textured grip with beaded cuff
- Extra long 12" length
- 50 gloves per box
- Available in 5 sizes: Small to 2X-Large

Item No.	Size
SAS **6606-40**	Small
SAS **6607-40**	Medium
SAS **6608-40**	Large
SAS **6609-40**	X-Large
SAS **6610-40**	2X-Large



ASTRO GRIP™ NITRILE GLOVES

- 6 mil Powder-free nitrile
- Dual sided scale grip
- Bright orange for high visibility
- Superior comfort and strength
- 100 gloves per box by weight
- Contains no latex

Item No.	Size
SAS **66572**	Medium
SAS **66573**	Large
SAS **66574**	X-Large
SAS **66575**	2X-Large



DERMA-DEFENDER™ NITRILE GLOVES

- Powder-free nitrile examination gloves
- Superior puncture and abrasion resistance
- Lightweight and comfortable to wear
- Not made with natural rubber latex
- 100 gloves per box by weight
- For food handling

Item No.	Size
SAS **66561**	Small
SAS **66562**	Medium
SAS **66563**	Large
SAS **66564**	X-Large



SAS SAFETY CORP.

VINYL-GUARD™

- Powdered vinyl
- Thickness: 4 mil
- Designed for consistent fit and flexibility
- Smooth surface for natural tactile sensitivity
- Rolled cuff added for strength
- Latex-free
- Box of 100 gloves
- Available in 4 sizes: Small to X-Large

Item No.	Size
SAS **6506**	Small
SAS **6507**	Medium
SAS **6508**	Large
SAS **6509**	X-Large



SAFECUT™ HPPE KNIT GLOVE, PVC GRIP

- Meets current ASTM F1790-05 Standard for Cut Level 3
- 13-Gauge high performance polyethylene knit shell
- PVC fingertips and palm dots for superior grip
- Comfortable and flexible
- Excellent cut and abrasion resistance

Item No.	Size
SAS **6771-02**	Medium
SAS **6771-03**	Large
SAS **6771-04**	X-Large
SAS **6771-05**	2X-Large



SAFECUT™ HPPE KNIT GLOVE, NITRILE PALM

- Meets current ASTM F1790-05 Standard for Cut Level 3
- 13-Gauge high performance polyethylene knit shell
- Micro-foam Nitrile coating on palm
- Excellent cut and abrasion resistance
- Comfortable and superior performance

Item No.	Size
SAS **6773-02**	Medium
SAS **6773-03**	Large
SAS **6773-04**	X-Large
SAS **6773-05**	2X-Large



SAFECUT™ HPPE KNIT GLOVE, PU PALM

- Meets current ASTM F1790-05 Standard for Cut Level 3
- 13-Gauge high performance polyethylene knit shell
- Polyurethane coating on palm
- Excellent cut and abrasion resistance
- Superior grip and resistant to oils, solvents and grease

Item No.	Size
SAS **6775-02**	Medium
SAS **6775-03**	Large
SAS **6775-04**	X-Large
SAS **6775-05**	2X-Large



SAFECUT™ ARAMID YARN GLOVE, LATEX PALM

- Meets current ASTM F1790-05 Standard for Cut Level 3
- 10-Gauge aramid yarn shell
- Crinkle blue latex on palm
- Constructed with heat-resistant synthetic fibers
- Excellent cut and abrasion resistance

Item No.	Size
SAS **6772-02**	Medium
SAS **6772-03**	Large
SAS **6772-04**	X-Large
SAS **6772-05**	2X-Large



SAFECUT™ ARAMID YARN GLOVE, NITRILE PALM

- Meets current ASTM F1790-05 Standard for Cut Level 3
- 13-Gauge aramid yarn shell
- Micro-foam Nitrile coating on palm
- Constructed with heat-resistant synthetic fibers
- Excellent cut and abrasion resistance

Item No.	Size
SAS **6776-02**	Medium
SAS **6776-03**	Large
SAS **6776-04**	X-Large
SAS **6776-05**	2X-Large



GLOVE DISPENSER - METAL

Specifications

Capacity.....One box of gloves
Features.....Adjustable spring
Mounting.....Cabinet mounted
Material.....White powder coated metal
Dimensions.....5.5" x 10" x 3.75"

SAS **6500-50**



NITRILE COATED PALM GLOVES

- Liquid dipped 100% nitrile palm coat
- 15-Gauge seamless nylon shell
- Knit back helps keep hand cooler longer

Item No.	Size
SAS **640-1907**	Small
SAS **640-1908**	Medium
SAS **640-1909**	Large
SAS **640-1910**	Extra-Large
SAS **640-1911**	XX-Large



COTTON/POLY KNIT - LATEX COATED PALM GLOVES

- Medium weight cotton/polyester shell
- Green latex crinkle finish palm coat
- Knit back helps keep hand cooler longer
- Abrasion resistant



Item No.	Size
SAS **6637**	Medium
SAS **6638**	Large
SAS **6639**	Extra-Large

DELUXE NEOPRENE GLOVES

- 12½" length
- Textured for extra gripping power
- Chemical resistance
- Comfortable cotton flocking absorbs moisture
- Excellent for chemicals, fiberglass application, oil, and grease



Item No.	Size
SAS **6557**	Medium
SAS **6558**	Large
SAS **6559**	Extra-Large

UNSUPPORTED NITRILE GLOVES

- 13" length
- Puncture and abrasion resistant
- Protects against petroleum, solvents, grease, oil, and other shop contaminants
- Excellent protection for spraying and mixing
- Textured for better grip
- Flock lined



Item No.	Size
SAS **6531**	Small
SAS **6532**	Medium
SAS **6533**	Large
SAS **6534**	Extra-Large

PART WASH PVC GLOVES

- 14" length
- Rough texture for better wet gripping
- Specially formulated for solvents such as lacquer thinner and parts solutions
- Knit interlock liner



Item No.	Size
SAS **6551**	Small
SAS **6552**	Medium
SAS **6553**	Large
SAS **6554**	Extra-Large

ELECTRIC SERVICE CLASS 0 GLOVES

- Meets ASTM D120 standards
- Class 0 Type I
- 12" length rolled cuff
- Lightweight
- Natural rubber
- Protects up to 1000 volts AC / 1500 volts DC



Item No.	Size
SAS **6417**	Medium
SAS **6418**	Large
SAS **6419**	Extra-Large
SAS **6420**	XX-Large

PROTECTIVE OVER GLOVES

- Meets ASTM F696 standards
- Wear over electric service gloves
- Protects rubber insulating gloves from punctures and abrasion.



Item No.	Description
SAS **6467**	Fits Over *SAS* **6417**
SAS **6468**	Fits Over *SAS* **6418**
SAS **6469**	Fits Over *SAS* **6419**
SAS **6470**	Fits Over *SAS* **6420**

CAUTION: Do not use leather over gloves alone for protection against electrical shock.

PROTECTIVE GLOVE BAG

- Made from heavy-duty canvas
- Velcro secure closure
- Heavy-duty belt loops
- 2 pockets inside allow the storage of both electrical service gloves and protective leather gloves

SAS **6465** One-Size-Fits-All



KEVLAR™ HEAT SLEEVE

- 14" length of 100% Kevlar™
- Improved comfort and protection against cuts and abrasions
- Heat resistant
- May be worn with gloves
- Washable and reversible

SAS **6701** One-Size-Fits-All





MECHANIX WEAR® HEAT SLEEVE

Don't dive into a hot engine without them.

- Two 17inch heat sleeves extend above the elbow
- 100% heat resistant, woven Kevlar
- Repels oil, fuel, and liquids
- Elastic-bead secures fit on thumb and finger opening
- Snug fit allows for comfortable use of gloves over sleeve

BK **763-1170**



MECHANIX WEAR® ORIGINAL™ GLOVES

Tried, tested and proven for over 20 years. The Original remains in a category all on its own.

- Durable synthetic fiber
- Form fitting stretch spandex for a second skin-like fit
- Flexible TPR wrist closure for a comfortable fit
- Machine washable



Item No.	Description
BK **763-1110**	Black/Small
BK **763-1111**	Black/Medium
BK **763-1112**	Black/Large
BK **763-1113**	Black/X-Large
BK **763-1114**	Black/XX-Large
BK **763-1105**	Blue/Small
BK **763-1106**	Blue/Medium
BK **763-1107**	Blue/Large
BK **763-1108**	Blue/X-Large
BK **763-1109**	Blue/XX-Large
BK **763-1100**	Red/Small
BK **763-1101**	Red/Medium
BK **763-1102**	Red/Large
BK **763-1103**	Red/X-Large

Item No.	Description
BK **763-1104**	Red/XX-Large
BK **763-1189**	Stealth, Small
BK **763-1190**	Stealth, Medium
BK **763-1191**	Stealth, Large
BK **763-1192**	Stealth, X-Large
BK **763-1193**	Stealth, XX-Large
BK **763-2253**	Mossy Oak®/ Medium
BK **763-2254**	Mossy Oak®/Large
BK **763-2255**	Mossy Oak®/ X-Large
BK **763-2256**	Mossy Oak®/ XX-Large

MECHANIX WEAR® CARLYLE® GLOVES

Same industry leading Mechanix Wear® original glove with Carlyle® badge, the fastest growing professional hand tools in the automotive industry.

BK **763-2247** Medium
BK **763-2248** Large
BK **763-2249** X-Large







MECHANIX WEAR® HI-VIS SAFETY ORIGINAL™ GLOVES

Be seen. Be protected. The Safety Original glove provides comfort and protection in industrial environments.

- Durable synthetic leather.
- Form fitting stretch spandex for a second skin like fit.
- Flexible TPR wrist closure for a comfortable and snug fit.
- Hi-visibility Day-Glow and 3M® Scotchlite™ reflective ink for added illumination.

Item No.	Description
BK **763-1247**	Day-Glo/Medium
BK **763-1248**	Day-Glo/Large
BK **763-1249**	Day-Glo/X-Large
BK **763-1250**	Day-Glo/XX-Large

Item No.	Description
BK **763-1251**	Orange/Medium
BK **763-1252**	Orange/Large
BK **763-1253**	Orange/X-Large
BK **763-1254**	Orange/XX-Large

MECHANIX WEAR® MATERIAL4X® ORIGINAL GLOVES

Material4X® synthetic leather redefines durability with superior wear, higher abrasion, and greater tear resistance. Material4X® is completely machine washable, making this glove as practical as it is popular.



- Offers superior abrasion and greater tear resistance than standard synthetic leather gloves
- Form-fitting TrekDry® material top helps keep hands dry and comfortable
- Thermal Plastic Rubber (TPR) closure provides a secure fit to the wrist
- Machine washable

BK **763-2257** Medium
BK **763-2251** Large
BK **763-2252** X-Large



MECHANIX WEAR® M-PACT GLOVES

Feel the intensity of the job without the impact.

- Rubberized grip on thumb and index finger for more control.
- Sonic welded molded rubber knuckle and finger impact protection
- High impact Poron XRD™ palm padding absorbs shock and vibration.



Item No.	Description
BK **763-1255**	Black & Red/Large
BK **763-1256**	Black & Red/X-Large
BK **763-1257**	Black & Gray/Medium
BK **763-1258**	Black & Gray/Large
BK **763-1259**	Black & Gray/X-Large
BK **763-1260**	Black & Gray/XX-Large
BK **763-1261**	Black & Blue/Large
BK **763-1262**	Black & Blue/X-Large

MECHANIX WEAR® M-PACT 2 GLOVES

Protect your hands with 360° of protection.

- Anatomically designed for an unbelievable fit, the M-Pact 2 is ready for work
- Rubberized fingertips and thumb improve grip and control
- EVA palm pad reduces impact operating hand tools
- The accordion knuckle guard with EVA foam padding and molded rubber finger panels reduce impact injuries





BK **763-1133**	Medium
BK **763-1134**	Large
BK **763-1135**	X-Large

MECHANIX WEAR® FASTFIT GLOVES

Easy on/off performance, the FastFit is ideal for everyday jobs.

- High wear synthetic leather palm with form fitting stretch panels between the fingers
- Moisture wicking TrekDry material around the wrist, thumb and fingers, keeping hands cool, dry and comfortable
- Elastic cuff offers easy on and off flexibility





Item No.	Description
BK **763-1239**	Small
BK **763-1240**	Medium
BK **763-1241**	Large
BK **763-1242**	X-Large
BK **763-1243**	XX-Large

NAPA® TECHNICIAN'S GLOVES

Amara synthetic leather palm. Spandex® back. Thermal plastic rubber cuff. Protects hands. One pair NAPA® branded.



BK **899-2160**	Medium
BK **899-2161**	Large
BK **899-2162**	X-Large

PRO IMPACT GLOVES

- Padded palms perfect for use with pneumatic tools
- High performance, race-inspired design
- Unparalleled comfort
- Great flexibility and ease of movement
- Outstanding protection against knuckle injury
- Machine washable



Item No.	Size
SAS **6712**	Medium
SAS **6713**	Large
SAS **6714**	Extra-Large
SAS **6715**	XX-Large

PRO TOOL GLOVES

- Excellent dexterity and flexibility for intricate work
- Outstanding gripping power
- Great protection against blisters, cuts and abrasions
- Spandex top for great flexibility and ease of movement
- Machine washable



Item No.	Size	Color
SAS **6652**	Medium	Black
SAS **6653**	Large	Black
SAS **6654**	Extra-Large	Black
SAS **6655**	XX-Large	Black
SAS **6662**	Medium	Blue
SAS **6663**	Large	Blue
SAS **6664**	Extra-Large	Blue
SAS **6665**	XX-Large	Blue
SAS **6672**	Medium	Red
SAS **6673**	Large	Red
SAS **6674**	Extra-Large	Red
SAS **6675**	XX-Large	Red

MATERIAL HANDLING GLOVES

- Excellent dexterity and flexibility for intricate work
- Outstanding gripping power
- Great protection against blisters, cuts and abrasions
- Spandex top for great flexibility and ease of movement
- Machine washable



Item No.	Size
SAS **6312**	Medium
SAS **6313**	Large
SAS **6314**	Extra- Large
SAS **6315**	XX-Large

ORANGE REFLECTIVE GLOVES

- High visibility reflective strip for use with highway construction
- Great flexibility for handling tools, parts and warning flags
- Spandex top for easy movement and flexibility



Item No.	Size
SAS **6361**	Small
SAS **6362**	Medium
SAS **6363**	Large
SAS **6364**	Extra-Large
SAS **6365**	XX-Large

MECHANIX WEAR® SHOP APRON



Stay clean and organized.
- Two large lower pockets to store tools
- Three pockets for organizing fasteners and hardware
- One single upper-chest pocket and two handy pen pockets front and center.
- Fully adjustable neck and waist straps for a custom fit.

BK **763-1122**

PVC APRON



- Excellent splash protection against most mild chemicals
- Adjustable neckstrap
- 100% waterproof
- Longer length extends coverage (35" W x 47" L)

SAS **6821** One-Size-Fits-All

GEN-NEX™ PROFESSIONAL GRADE COVERALLS



- Cloth-like fiber
- Full zipper front
- Elastic wrists and ankle cuffs
- Gen-Nex coveralls pass ASTM F903 penetration testing for Isocyanate Based Paint. Test performed using U.S. Chemicals & Plastics 22 Fast Activator Glamour Clear.

Item No.	Size
SAS **6851**	Small
SAS **6852**	Medium
SAS **6853**	Large
SAS **6854**	X-Large
SAS **6855**	2X-Large
SAS **6856**	3X-Large
SAS **6857**	4X-Large
SAS **6858**	5X-Large

MOONSUIT NYLON COTTON COVERALLS



- Lightweight, durable rip-stop nylon front
- Breathable, cool cotton back
- Full pullover hood
- Velcro wrist and ankle closures
- Zipper front and elastic waist
- Washable/reusable

Item No.	Size
SAS **6937**	Medium
SAS **6938**	Large
SAS **6939**	Extra-Large
SAS **6940**	XXX-Large

POLYPROPYLENE DISPOSABLE COVERALLS



- Lightweight polypropylene
- Full zipper front
- Elastic wrist and ankle closures

Item No.	Size
SAS **6843**	Large
SAS **6844**	Extra-Large
SAS **6845**	XXX-Large

HEAVY-DUTY PVC/POLYESTER RAIN SUITS



- 3 piece 0.35mm PVC/polyester construction
- Ventilated cape back
- Storm front snap with zipper
- Jacket with detachable drawstring hood & corduroy collar for comfort
- Two flapped pockets
- Bib overall with adjustable suspenders
- Adjustable cuff & ankle snaps for better fit
- High-visibility safety color

Item No.	Size
SAS **6811-01**	Small
SAS **6812-01**	Medium
SAS **6813-01**	Large
SAS **6814-01**	X-Large
SAS **6815-01**	XX-Large
SAS **6816-01**	XXX-Large
SAS **6817-01**	XXXX-Large

LIGHTWEIGHT PVC RAIN SUITS



- 3 piece 0.08mm PVC construction
- Snap front jacket with zipper
- Detachable hood & corduroy collar for comfort
- Ventilated cape back
- Bib overall with adjustable suspenders
- Adjustable cuff & ankle snaps for better fit

Item No.	Size
SAS **6812**	Medium
SAS **6813**	Large
SAS **6814**	Extra-Large

GEN-NEX™ HOODED COVERALLS



- Anti-static
- Cloth-like fiber
- Full pullover hood
- Full zipper front and elastic wrists
- Non-elastic ankle cuffs
- Gen-Nex™ - Better protection against Isocyanates & Particulates

Item No.	Size
SAS **6892**	Medium
SAS **6893**	Large
SAS **6894**	Extra-Large
SAS **6895**	XX-Large
SAS **6896**	XXX-Large

GEN-NEX™ SHOE COVERS

- Easy to slip over shoes
- Slip-resistant PVC
- Machine washable
- Keeps shoes clean

SAS **6808** Medium
SAS **6809** Large



MECHANIX WEAR® TEAM ISSUE KNEE PADS

Designed specifically for racing, the Team Issue Knee Pad is an essential tool for the intensity of the pits. High-density outer pad is covered in Kevlar® and stitched for high-impact protection. A breathable Airprene™ wrap is sandwiched on the inside with an anatomically molded inner pad for light weight and comfort. Left and right specific design with hook-and-loop closure, engineered for optimum fit, long wear and comfort. One size fits all. Color: Black.

BK **763-1171**



EZ KNEES GEL KNEE PADS

- Provides outstanding comfort when kneeling
- Works great on dry or wet surfaces
- Multi-density foam core
- Non-marring
- Anti Slip

SAS **7104**



DELUXE KNEE PADS

- Plastic cap over tough nylon fabric with soft foam rubber core
- Water & abrasion resistant
- Velcro® closures
- Easy-to-use

SAS **7102**



DELUXE GEL KNEE PADS

- Super-thick 1/2" high density closed-cell foam
- Large, low-profile cap designed to prevent roll over
- Anti-compression air injected gel
- Easy-to-use Velcro® closures

SAS **7105**



KNEELING PAD

- Lightweight foam rubber
- Comfortable, easy-to-use
- Excellent for periodic kneeling
- 15 1/2" length x 7" width x 5/8" depth
- Built-in handle for easy gripping

SAS **7100**



BACK SUPPORT

- Made of lightweight, cool, washable nylon
- Six fully enclosed steel springs stay for flexible, contoured support
- Tapered design allows a full range of body motion while maintaining proper support
- Two sets of dual elastic stretch-bands for maximum adjustable support

Item No.	Size
SAS **7161**	Small (28" to 32")
SAS **7162**	Medium (32" to 38")
SAS **7163**	Large (38" to 47")
SAS **7164**	Extra-Large (46" to 56")
SAS **7165**	XX-Large (54" to 58")



DELUXE PAINTER'S SPRAY SOCK

- No linting
- Super stretchy
- Lightweight and breathable Lycra™
- Fits snugly around head and neck
- Washable

SAS **6910** One-size-fits-all



PAINTER'S SPRAY SOCK

- Comfortable cotton blend
- Fits snugly around head and neck

SAS **6810** One-size-fits-all



GEN-NEX™ CHEMICAL HOOD

- Elastic face opening
- Covers shoulders
- Better protection against Isocyanate based paint protection
- Lint-free and static-free

SAS **6806** One-size-fits-all



HARD HATS



- Superior fit and comfort
- Flexible PVC construction
- Swivelling pivot head strap
- Lightweight
- Adjustable pinlock
- 4-point nylon suspension
- Flexible PVC construction
- Meets ANSI Z 89.1 Type 1 Class G, E, C and CE EN 397:1995 Certified.

Item No.	Color
SAS **7160-01**	White
SAS **7160-02**	Yellow
SAS **7160-03**	Red
SAS **7160-04**	Blue
SAS **7160-05**	Orange

HARD HATS



- Superior fit and comfort
- Flexible PVC construction
- Swivelling pivot head strap
- Lightweight
- Adjustable ratchet-strap
- 6-point nylon suspension
- Flexible PVC construction
- Meets ANSI Z 89.1 Type 1 Class G, E, C and CE EN 397:1995 Certified.

Item No.	Color
SAS **7160-45**	White
SAS **7160-46**	Yellow
SAS **7160-47**	Red
SAS **7160-48**	Blue
SAS **7160-49**	Orange

FULL BRIM HARD HATS



- Superior fit and comfort
- Flexible PVC construction
- Swivelling pivot head strap
- Lightweight
- Adjustable ratchet-strap
- 4-point nylon suspension
- Flexible PVC construction
- Meets ANSI Z 89.1 Type 1 Class E and CE EN 397:2001 Certified.

Item No.	Color
SAS **7160-10**	White
SAS **7160-11**	Yellow
SAS **7160-12**	Blue
SAS **7160-13**	Red
SAS **7160-14**	Orange

BUMP CAPS



- Ideal for use in areas with low head clearance
- Sewn-in sweatband
- Close-fitting
- Great air circulation
- Lightweight
- 4-point adjustable pinlock suspension system

Item No.	Color
SAS **7160-06**	White
SAS **7160-07**	Yellow
SAS **7160-08**	Red
SAS **7160-09**	Blue

CAUTION: Bump Caps do not meet ANSI Z89.1 and are not to be worn for protection from impact of falling or glancing objects.

DIGITAL AM/FM RADIO EARMUFF



- Adjustable headband
- High quality audio
- Digital AM/FM radio with MP3/iPod compatible line-in jack
- Comfortable
- Flexible antenna
- NRR 25

SAS **6108**

FOLDABLE EARMUFF



- Low-profile
- Lightweight muff-style
- Universal adjustment
- Foldable compact design allows easy storage
- NRR 29

SAS **6110**

PROFESSIONAL EARMUFF



- Superior protection
- Universal adjustment
- Comfortable muff-style
- Foldable compact design allows easy storage
- NRR 30

SAS **6111**

STANDARD EARMUFF



- Lightweight muff-style hearing protector
- Universal adjustment
- Behind-head wear
- NRR23

SAS **6105**

CORDED SILICONE EAR PLUGS



- Pre-shaped corded silicone ear plugs
- Triple mushroom design helps create a secure fit to help block out sound
- NRR24

SAS **6112** Clamshell

EP6 EAR PLUGS



- Ergonomic design and multi-flanged stem conforms to ear shape for maximum comfort and retention
- Made from soft, hypoallergenic, medical-grade polymer
- Low profile design allows you to keep them in place while wearing a helmet, hat or on phone
- EPG ear-pieces are sold in a single left/right set. Each set is packaged in a convenient carrying case
- NRR24

Item No.	Description	Qty
SAS **6127**	Medium	1
SAS **6128**	Large	1

SAS SAFETY CORP.

FOAM EAR PLUGS



- Pre-shaped foam ear plugs
- Super-soft foam ear plugs conform to the inner ear canal
- Packaged for individual re-sale
- NRR30

SAS **6100** Box of Plugs (200 Pair)

CORDED EAR PLUGS



- Pre-shaped foam ear plugs
- Individually packed
- Self-adjusting foam expands to fit virtually every wearer
- NRR30

SAS **6101** Clamshell

BANDED EAR PLUGS



- Lightweight
- Comfortable reusable banded plugs
- Easy to put on and take off
- NRR20

SAS **6102** Banded Ear Plugs
SAS **6103** Replacement Plugs

FOAM EAR PLUGS



- Pre-shaped foam ear plugs
- Super-soft foam ear plugs conform to the inner ear canal
- NRR30

SAS **6104** Clamshell (3 Pair)

100-PERSON FIRST-AID KIT



- Contains an extensive selection of first-aid supplies for treating small to large size injuries
- Includes a wide variety of wound management dressings, antiseptics, burn treatment products and personal protective devices
- Able to mount to the wall
- Dimensions: metal case 15" x 10.5" x 4.5"
- Meets current ANSI Z308.1-2015 Class B

SAS **6099-01** Metal Case

50-PERSON FIRST-AID KIT



- Comprehensive deluxe kit contains various first-aid supplies for treating common injuries, wounds and burns
- Includes additional varieties of bandages and dressings for medium to heavy industry and construction sites up to 50 employees
- Able to mount to the wall
- Dimensions: plastic case 10.5" x 11.5" x 3.75"
- Dimensions: metal case 10.5" x 10.5" x 2.5"
- Meets current ANSI Z308.1-2015 Class B

SAS **6050** Plastic Case
SAS **6050-01** Metal Case

35-PERSON FIRST-AID KIT



- Comprehensive deluxe kit contains various first-aid supplies for treating common injuries, wounds and burns
- Packaged in a lightweight, wall-mountable, water-resistant case
- Designed for use in the workplace for up to 35 employees
- Suitable for medium industry, construction sites and offices
- Dimensions: plastic case 9" x 10" x 3.25"
- Meets current ANSI Z308.1-2015 Class A

SAS **6035** Plastic Case

25-PERSON FIRST-AID KIT



- Contains an assortment of practical, single-use disposable items to treat injuries in a sanitary and simple way
- Multi-use first-aid kit designed for use in the work place for up to 25 employees
- Ideal for light to medium industry, contractors and job sites
- Able to mount to the wall
- Dimensions: plastic case 6.5" x 7.5" x 2.75"
- Dimensions: metal case 11.5" x 7.5" x 2.5"
- Meets current ANSI Z308.1-2015 Class A

SAS **6025** Plastic Case
SAS **6025-01** Metal Case

PERSONAL FIRST-AID KIT



- Contains an assortment of practical, single-use disposable items to treat injuries in a sanitary and simple way
- Compact, lightweight kit with an assortment of practical first-aid items
- Ideal for travel, workshops, personal sports and recreational needs
- Fits easily into backpack, toolbox, athletic bag and glove compartment
- Dimensions: plastic case 3.75" x 5" x 1.5"

SAS **6001** Plastic Case



57 PC. WINTER EMERGENCY/ SAFETY KIT

All of the essentials for any challenges encountered on a winter road trip packed in a handy storage case.

BK **730-1747**

Contents

Qty.	Description
1	Bag
1	Blanket, Emergency
1	Bungee Cord
5	Cable Ties
1	Candle Kit (3 Pc. w/Matches)
1	First Aid Kit, 38 Pc.

Qty.	Description
1	Hand Warmer Set
1	Hat & Glove Set, Fleece
1	Light, Automatic-Charge LED
1	Rope, Tow
1	Whistle



36 PC. WINTER EMERGENCY/ SAFETY KIT

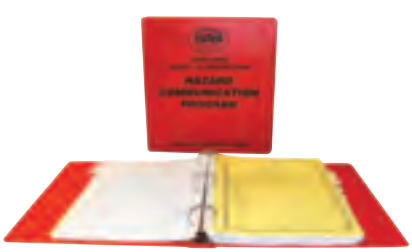
All of the essentials for any challenges encountered on a winter road trip packed in a handy storage case.

BK **730-1746**

Contents

Qty.	Description
1	Bag
1	Blanket, Emergency
5	Cable Ties
1	Candle Kit (3 Pc. w/Matches)
1	First Aid Kit, 16 Pc.
1	Hand Warmer Set

Qty.	Description
1	Hat & Glove Set, Fleece
1	Knife
1	Light, Automatic-Charge LED
1	Light Stick, Fluorescent
1	Whistle
1	Wrench, Adjustable



HAZARD COMMUNICATION PROGRAM KIT

- Meets HCS 2015 Standard
- Simple-to-understand, fill-in-the-blank type program makes compliance easy
- Kit includes the necessary forms and procedures to meet OSHA requirements

SAS **6000-50**



SDS COMPLIANCE CENTER

- Meets HCS 2015 Standard
- Provides convenient storage
- Gives worker instant reference point when working with potentially dangerous substances
- Place anywhere hazardous chemicals are used or stored

SAS **6000-75**

Homak

1 YEAR

USA

FM APPROVED



TSS **YW00750600**



TSS **YW00750300**



TSS **YW00750451**



TSS **YW00750450**

SAFETY CABINETS

- Designed to protect contained flammable liquids for up to 10 minutes
- For storage of up to 5-gallon-sized containers of flammable liquids
- FM Approved
- Made in USA

Item No.	Description
TSS **YW00750600**	60 Gallon, 2 Adjustable Shelves, 2-Door Manual Close
TSS **YW00750450**	45 Gallon, 2 Adjustable Shelves, 2-Door Manual Close
TSS **YW00750451**	45 Gallon, 2 Adjustable Shelves, 2-Door Self-Closing
TSS **YW00750300**	30 Gallon, 1 Adjustable Shelf, 2-Door Manual Close

6 AND 14 GALLON OILY WASTE CANS – YELLOW

FM APPROVED

1 YEAR

Features & Benefits

- Can be used with or without liner
- Self-closing lid
- Molded handles for easy lifting
- Seamless, leak-proof construction
- Exceed FM Standards for impact, stability, & fire-testing
- Exceeds performance standards at temperatures between -40°F to 130°F
- Hands-free foot lever
- Flared base for added stability
- Meets OSHA and NFPA Code 30 requirements and accepted for temporary storage of waste materials
- Polyethylene shell won't rust, dent, & is resistant to most chemical compounds
- Heavy-wall HDPE construction
- Fire-safe temporary storage of solvent, waste rags, shavings, and other materials subject to spontaneous combustion
- 1-Year limited warranty
- Made in the USA

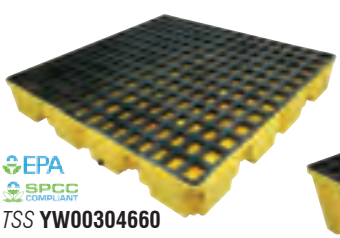


TSS **YW00316060** *TSS* **YW00321140**

Item No.	Gallon	Dimensions			Weight
		Width	Depth	Height	
TSS **YW00316060**	6	16½"	13½"	16"	Pc. Wt.: 9 lbs.; Shipping Wt.: 11 lbs.
TSS **YW00321140**	14	22"	18"	21"	Pc. Wt.: 16 lbs.; Shipping Wt.: 18 lbs.

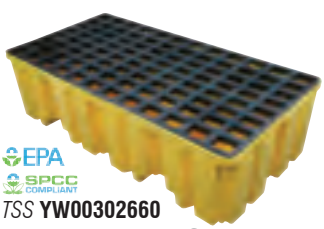
USA

1 YEAR



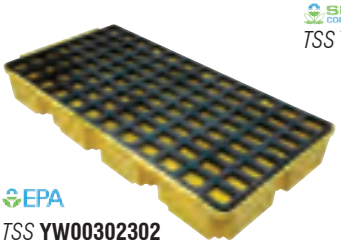
EPA SPCC COMPLIANT

TSS **YW00304660**



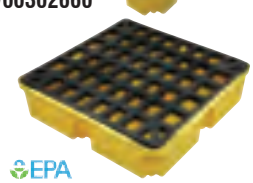
EPA SPCC COMPLIANT

TSS **YW00302660**



EPA

TSS **YW00302302**



EPA

TSS **YW00301122**

SPILL CONTAINMENT SYSTEMS

- High-performance engineered plastic for excellent chemical resistance
- Modular construction allows for multiple configurations
- External U-channels for easy connection to multiple platforms
- Removable flat top grating for easy cleaning
- EPA and/or SPCC compliant
- Made in USA

Item No.	Description	Sump Capacity	Load Capacity
TSS **YW00304660**	4-Drum Pallet	66 gallons	8,000 lbs.
TSS **YW00302660**	2-Drum Pallet	66 gallons	4,000 lbs.
TSS **YW00302302**	2-Drum Platform	30 gallons	5,000 lbs.
TSS **YW00301122**	1-Drum Platform	12 gallons	2,000 lbs.

SORB-A-SPILL® ABSORBENT



- Perfect absorbent for paint, solvent and oil spills
- Non-toxic, non-corrosive, non-hazardous absorbent is perfect for driveways, shop floors or home use
- This lightweight absorbent provides 5 times greater absorbency than similar clay products
- Weighs 80% less - so transportation and disposal costs are significantly reduced

SAS **7702** 10 lbs. Bag, 4,536 grams

ABSORBENT ROLL



- Perforated for easy tear off
- Cost-effective
- Absorbs non-aqueous liquids, solvent-based paints and vegetable oils
- Absorbs up to 25 times its own weight in petroleum products
- Easily installed and removed with no shoveling or sweeping
- Unaffected by temperature changes
- Will not rot or mildew
- Use for cleanup and removal of oil around mechanical equipment
- Use for minor spills or for final cleanup of large spills
- Absorbs oil, coolant, hydraulic fluid, diesel fuels, gasoline, isopropanol, kerosene, nitric acid and MEK
- Great for walkways and open areas to catch leaks, drips and overspray

SAS **7720** 1 Roll, Size 16" x 168'



SPILL CONTROL BOOM SOCKS

- Universal sorbent boom socks absorb oil and chemical spills
- Put anywhere you need to stop leaks and drips
- Flexible to mold around corners; fits odd places and stays put

SAS **7740** Pack of 12


SAS **7710**


SAS **7712**



SAS **7725**

ABSORBENT OIL PADS

- Absorbs up to 25 times its own weight in petroleum product
- Easily installed and removed with no shoveling or sweeping
- Unaffected by temperature changes
- Will not rot or mildew
- Use for cleanup and removal of oil around mechanical equipment
- Use for minor spills or for final cleanup of large spills
- Absorbs oil, coolant, hydraulic fluid, diesel fuels, gasoline, isopropanol, kerosene, nitric acid and MEK
- Great for walkways and open areas to catch leaks, drips and overspray

SAS **7710**	Non-Aqueous Liquid Pads, 16" x 20" Box of 100
SAS **7712**	Universal Pads 16" x 20" Box of 100
SAS **7725**	*SAS* **7710** Individually Packaged (Retail Display-24/Box)

EMERGENCY RESPONSE SPILL KIT

This spill kit is required under OSHA Law CFR 1910.00-1919.180, Subtitle HM-126.F. It is perfect for use in the field and is a necessity for all utility vehicles. Packaged in an easy-carry box.

- Absorbs oil, paint or chemical spills on land
- Absorbs over 4 gallons of waste
- Fits behind truck seats



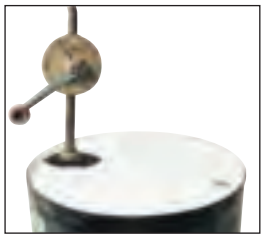
SAS **7750**

Contents

Qty.	Description
15 ea.	Universal Sorbent Pads, *SAS* **7710**
3 ea.	Absorbent Boom Socks, *SAS* **7740**
1 pr.	Chemical-Splash Goggles, *SAS* **5109**
1 pr.	Nitrile Chemical Gloves, *SAS* **6548**
2 ea.	All-Purpose Waste Disposal Bags, *SAS* **7760**

DRUM TOP PAD

- Pad helps eliminate messy drips and overflow discharges when mixing or pumping liquids in drums
- Drum top cover is easy to install
- Pre-cut holes to help fit evenly over the top of a 55-gallon drum
- Highly absorbent polypropylene cover will absorb oil, water and chemicals



SAS **7730** Package of 25

ANSI CLASS 2 SAFETY VESTS

Class 2 - requirements for workers who are on or near roadways, where vehicle and equipment speeds are 25 - 50 mph. It is also intended for use in work areas where greater visibility is desired during inclement weather conditions and complex backgrounds are present.

- ANSI 107-2010 class 2 high visibility apparel compliant
- 100% polyester fluorescent orange mesh material
- 2" reflective tape on shoulders and chest
- Secure with front hook and loop closure

Item No.	Size
SAS **692-1208**	Medium
SAS **692-1209**	Large
SAS **692-1210**	X Large
SAS **692-1211**	2X Large
SAS **692-1212**	3X Large
SAS **692-1213**	4X Large



ANSI CLASS 2 SURVEYOR'S VESTS

Class 2 - requirements for workers who are on or near roadways, where vehicle and equipment speeds are 25 - 50 mph. It is also intended for use in work areas where greater visibility is desired during inclement weather conditions and complex backgrounds are present.

- ANSI 107-2010 class 2 high visibility apparel compliant
- 100% polyester fluorescent orange mesh material
- 2" reflective tape on shoulders and chest
- Front zipper closures
- Mobile phone and accessories pockets
- Two flap pockets with press-studs

Item No.	Size
SAS **692-2208**	Medium
SAS **692-2209**	Large
SAS **692-2210**	X Large
SAS **692-2211**	2X Large
SAS **692-2212**	3X Large
SAS **692-2213**	4X Large



ANSI CLASS 2 SAFETY VESTS

Class 2 - Requirements for workers who are on or near roadways, where vehicle and equipment speeds are 25 - 50 mph. It is also intended for use in work areas where greater visibility is desired during inclement weather conditions and complex backgrounds are present.

- ANSI 107-2010 Class 2 high visibility apparel compliant
- 100% polyester fluorescent yellow mesh material
- 2" reflective tape on shoulders and chest
- Secure with front Velcro™ closure
- Yellow Vest

Item No.	Size
SAS **690-1208**	Medium
SAS **690-1209**	Large
SAS **690-1210**	Extra-Large
SAS **690-1211**	XX-Large
SAS **690-1212**	XXX-Large



ANSI CLASS 2 SURVEYOR'S VESTS

Class 2 - Requirements for workers who are on or near roadways, where vehicle and equipment speeds are 25 - 50 mph. It is also intended for use in work areas where greater visibility is desired during inclement weather conditions and complex backgrounds are present.

- ANSI 107-2010 Class 2 high visibility apparel compliant
- 100% polyester fluorescent yellow mesh material
- 2" reflective tape on shoulders and chest
- Front zipper closures
- Mobile phone and accessories pockets
- Two flap pockets with press-studs



Item No.	Size
SAS **690-2208**	Medium
SAS **690-2209**	Large
SAS **690-2210**	Extra-Large
SAS **690-2211**	XX-Large
SAS **690-2212**	XXX-Large
SAS **690-2213**	XXXX-Large

ANSI CLASS 3 SAFETY JACKETS

Class 3 - Requirements for workers in high risk areas/situations who need to be conspicuous through the full range of body motions at a minimum distance of 1,280 feet. Used where traffic speeds exceed 50 mph.

- ANSI 107-2010 Class 3 high visibility apparel compliant
- 100% polyester fluorescent yellow material
- 2" reflective tape on shoulders and chest
- Long sleeves give additional coverage and higher level of protection
- Secure with front Velcro™ closure



Item No.	Size
SAS **690-1308**	Medium
SAS **690-1309**	Large
SAS **690-1310**	Extra-Large
SAS **690-1311**	XX-Large
SAS **690-1312**	XXX-Large

BASIC SAFETY VEST

- Constructed of durable 100% polyester
- 1" reflective tape on shoulders
- Secure with front velcro closure

SAS **6823** One-size-fits-all

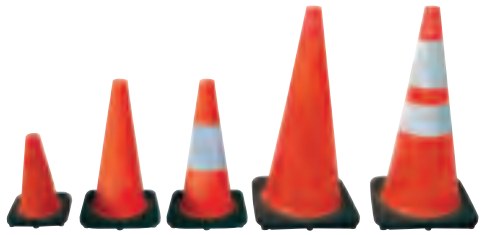


LED LIGHTED COLLAPSIBLE SAFETY CONE

Sixteen-inch cone collapses to two inches for easy storage in trunk or under seat. Features dual-mode (constant or flashing) function and reflective bands for greater visibility. Perfect for emergency, safety or recreational use. Requires two, AAA alkaline batteries (included).

BK **SGLCONE**





SAFETY CONES

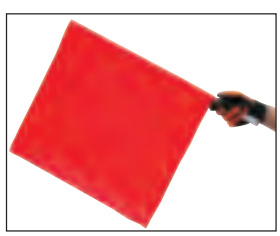
- Brilliant fluorescent red-orange with UV inhibitor
- Specially designed cleated base allows firm grip to the road and won't easily be blown over
- 100% PVC injection molded cone
- One piece design eliminates stacking problems
- Superior flexibility in any kind of adverse weather conditions
- Environmentally friendly - 100% recyclable

Item No.	Description
SAS **7500-12**	12" Sport Cone
SAS **7500-18**	18" Cone
SAS **7500-28**	28" Cone
SAS **7501-18**	18" Cone w/Reflective Bar
SAS **7501-28**	28" Cone w/Reflective Bar

WARNING FLAG

- Fluorescent orange for high visibility
- Made of reinforced vinyl measuring 18" x 18"
- 24" wooden dowel for easy handling

SAS **9960**







SIGNS

- 14" x 10" plastic
- Large bold print
- Pre-punched holes with rounded corners

Item No.	Description
SAS **9940**	For Sale
SAS **9941**	For Rent
SAS **9944**	Vehicle for Sale
SAS **9946**	Yard Sale
SAS **9948**	No Smoking
SAS **9949**	No Trespassing
SAS **9950**	Beware of Dog
SAS **9951**	Customer Parking
SAS **9952**	No Parking
SAS **9953**	Keep Out
SAS **9954**	Exit



BK **770-6300**

BK **770-6303**

FUSEES STANDARD SAFETY FLARES

Standard safety flares feature a self-contained, patented Plas-T-Cap® igniter for easy use in wind, rain or snow. Safety and protection when you need it. UL listed.

Item No.	Description
BK **770-6300**	15 Min. w/Spike
BK **770-6306**	15 Min. Each Pack/3
BK **770-6301**	20 Min. w/Spike
BK **770-6304**	20 Min. w/o Spike
BK **770-6302**	30 Min. w/Spike
BK **770-6305**	30 Min. w/o Spike
BK **770-6303**	30 Min. w/Wire Stand

HIGHWAY FLARE KITS

Contains six flares, orange safety vest and storage case with flare pockets and vest holder.

BK **770-6307** 20-minute
BK **770-6308** 30-minute



HEAVY-DUTY FLARE STORAGE BAGS

Holds up to 18 flares.

BK **770-6309** Holds 30-minute flares
BK **770-6310** Holds 20-minute flares





BK **770-6311**



BK **770-6313**

ORION ROADSIDE SAFETY FLARES

Roadside safety flares feature patented Plas-T-Cap™ and non-roll feature. Ignite easily and continue to burn in all kinds of weather. 36 per case.

BK **770-6311** 20-Minute Red, No Spike or Stand
BK **770-6312** 20-Minute Red With Spike
BK **770-6313** 20-Minute Red With Wire Stand



ORION BACKFIRE TORCHES

Effective for backfires and burnouts, torches burn for 10 minutes at over 3,400°F.

- Engineered to deliver a minimum 3/4" wide, 5" long flame
- Extended handle keeps flare cool
- Torches inter-connect for added length reducing unnecessary bending
- Weather resistant wax coating

BK **770-6314**



DRY CHEMICAL FIRE EXTINGUISHER UL RATED 1A-10B:C

Contains ammonium phosphate base dry chemical. Will extinguish wood, paper, trash and rubber fires, as well as flammable liquids and electrical fires. This is one of the smallest multi-purpose "A" rated extinguishers available. 2 1/2 lbs. DOT approved. Non-rechargeable.

BK **770-7019**



DRY CHEMICAL FIRE EXTINGUISHER UL RATED 10B:C

Contains sodium bicarbonate, regular dry chemical. Will extinguish flammable liquid fires, as well as charged electrical fires. 2 3/4 lbs. DOT approved. Non-rechargeable.

BK **770-7018**



RECHARGEABLE FIRE EXTINGUISHER

Easy-to-read gauge tells you fire extinguisher is charged and ready for use. Clear instruction label illustrates steps required to operate extinguisher. Features easy-to-pull safety pin and tough impact resistant metal valve, handle and lever. UL Rating: 4A:60B:C. 10 lbs.

BK **770-7010**

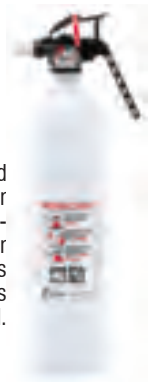


ABC DRY CHEMICAL FIRE EXTINGUISHER UL RATING 3A- 40B:C — CAP. 5 LBS.

Multi-purpose. Steel shell dry chemical extinguisher is designed to fight all three of the most common fire classes A, B and C. Unit features threaded connections and full vision pressure gauge. Compact design and low profile make mounting and installation possible where many others won't fit. Equipped with hose to direct the discharge. Operating pressure: 195 psi. Test pressure: 585 psi. USCG approved. DOT approved. Rechargeable. Includes bracket.

BK **819-4999**

Kidde
A UTC Fire & Security Company



FIRE EXTINGUISHER
UL RATED 10B:C – 2.9 LBS.
Easy-to-read gauge tells you fire extinguisher is charged and ready to use. Clear instruction label shows steps for operation. Features easy pull safety pin, rust- and impact-resistant nylon handle, and powder coated cylinder for corrosion protection. For use on flammable liquids including gas, kerosene, oil, grease, solvents and gases and live electrical equipment. Mounting bracket included.
BK **825-5293**

DRY CHEMICAL FIRE EXTINGUISHER
UL RATED 5B:C
Visual gauge, steel shell and vehicle/marine bracket. Effective on flammable liquids and electrical appliance fires. Recommended for use on small boats, family automobiles or campers and in the home. Complies with U.S. Coast Guard and is listed by Factory Mutual. 2 lbs. DOT approved. Non-rechargeable.
BK **770-7008**





FIRE EXTINGUISHER
UL RATED 5B:C – 2 LBS.
Single use basic 5B:C fire extinguisher is suitable for use on flammable liquid and electrical fires. Features gauge for easy pressure check. Seamless aluminum cylinder will not leak. Bracket included.
BK **770-9371**

ALIGNMENT & COLLISION REPAIR

Air Hose Couplers & Plugs 930-931
Blasters & Accessories 912-913
Body Tools 931-935, 940
Color Matching Accessories 942
Dent Pullers 939
Dent Repair Station 912
Door Unlocking Tools 940-941
Frame Racks 902-906
Fume & Dust Extractors 911
Headlamp Alignment System 943
Headlight Lens Restoration 942
Imaging Aligners 906-907
Measuring Systems 908-909
Paint Removal Tool 922
Pinstripe Eraser Tool 921
Plasma Cutter 909
Polishers & Accessories 919-921
Pulse Welders 911
Rivet Tools & Accessories 911, 936-937
Sanders & Accessories 913-919
Sanding Blocks 936
Slide Hammers 938-939
Spot Welders 910
Spray Paint Equipment & Accessories 923-930
Stud Welder 935
Surface Conditioning Discs 922-923
Thread Setters & Accessories 937-938
Wheel Aligners 907



LIFT 'N RAK PRO™ FRAME MACHINE

Features

- Tilt 'N Turn Tower includes pump, hose, ram and 10' chain with hook
- Dual Ram scissor lift with pump
- 4 Adjustable unibody tie-downs
- 4 Lifting pads
- Ramps
- Down-pull attachment
- 4 Wheel stands
- Stabilizer bar for side pulls
- Dolly wheel cart

Specifications

Weight: ..... 2,400 lbs. (1,089 kg)
Bed Length: ..... 9' (2.74m)
Bed Width: ..... 71" (1.8m)
Tower Height: ..... 68" (1.73m)
Lifting Height: ..... 37" (.94m)

CTL **CL8322187**



PROFITPULLER™ 16 FRAME MACHINE

Features

- (2) 10 Ton slotted towers with hydraulic ram, hose, pump & gauge
- (2) 10' Chains 3/8" with slip hooks
- (2) Tower rollers
- 15-Ton heavy-duty ram on lift with air pump
- Removable front cross member
- (4) Powder coated drive-over bases
- (4) Adjustable height, powder coated Measure Rite unibody tie-downs
- (4) Powder coated upright holders with pins
- (1) Set of heavy-duty ramps
- (1) Outside sign

Specifications

Weight: ..... 4,400 lbs. (1996 kg)
Length: ..... 16' (4.88m)
Bed Width: ..... 76" (1.94m)
Treadway Width: ..... 20" (.51m)
Working Height: ..... 21" (.53m)
Tower Height: ..... 60" (1.52m)
Lifting Capacity: ..... 15-Ton Ram on Lift

CTL **CL832171**



PROFITPULLER™ 18 FRAME MACHINE

Features

- (2) 10 Ton wheel-less, slotted towers with hydraulic ram, hose, pump & gauge
- (2) 10' Chains 3/8" with slip hooks
- (2) Tower rollers
- 15-Ton heavy-duty ram on lift with air pump
- Removable front cross member
- (4) Powder coated drive-over bases
- (4) Adjustable height, powder coated Measure Rite unibody tie-downs
- (4) Powder coated upright holders with pins
- (1) Set of heavy-duty ramps
- (1) Outside sign

Specifications

Weight: ..... 5,000 lbs. (2268 kg)
Length: ..... 18' (5.5m)
Bed Width: ..... 76"(1.94m)
Treadway Width: ..... 20"(.51m)
Working Height: ..... 21" (.53m)
Tower Height: ..... 60" (1.52m)
Lifting Capacity: ..... 15-Ton Ram on Lift

CTL **CL832165**



16 FT. REVOLUTION™ FRAME MACHINE

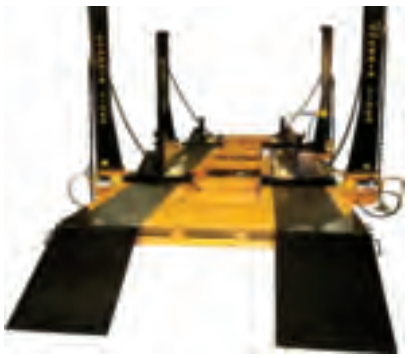
Features

- 27' Bed height for a safe working height
- 86" Bed width accommodates trucks, SUVs and unibody cars
- (2) 10-ton (9072 kg) Clear Floor™ wheel-less towers
- (3) Air/hydraulic pumps
- (2) Tower rollers
- (4) Adjustable unibody tie-downs w/upright holders
- (4) Drive-over bases
- (2) 10' chains with slip hooks
- Heavy-duty lift with hydraulics
- (2) Hinge-a-matic™ non-skid ramps

Specifications

Bed Width: ..... 86" (2.19m)
Tower Height: ..... 60" (1.53m)
Treadway Width: ..... 27" (.69m)
Working Height (Floor to top of bed): ..... 27"(.69m)
Overall Height: ..... 7' 3" (2.13m)
Air/Hydraulic Power: ..... 10 Tons Per Tower
Lifting Capacity: ..... 15-Ton Ram on Lift

CTL **CL832000**



MEDIUM DUTY TRUCKER™ FRAME MACHINE

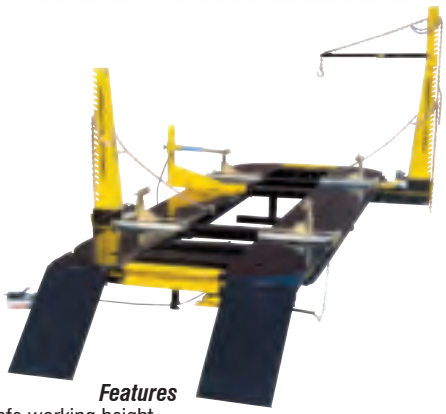
Features

- (2) 15-Ton 8' high towers with hydraulic ram & hose, air pumps with pressure gauge, roller
- (2) 20-Ton (dual 10-ton ram design) 8' high towers with hydraulic ram & hose, air pumps with pressure gauge, roller
- Drive on frame rack plumbed for air
- (4) 15' ½" Chains with slip hooks
- Non-skid treadways
- 4 Adjustable uni-body clamps with upright holders
- (2) 15-Ton rams on lift with pump
- 4 chain locks with locking keys
- (2) Hinge-a-matic™ non-skid ramps
- Medium duty full frame anchoring system included

Specifications

Bed Width: ..... 8' 6" (2.59m)
Bed Length: ..... 28'(8.53m)
Treadway Width: ..... 34" (.86m)
Working Height (Floor to top of bed): ..... 20" (.51m)

CTL **CL871030**



TRUCK 'N REVOLUTION™ FRAME MACHINE

Features

- 27' Bed height - safe working height
- 86" Bed width accommodates trucks, SUVs and unibody cars
- Bed plumbed for air
- (2) 10 -ton slotted or round towers
- (2) Air/Hydraulic pumps with gauges
- (2) Tower rollers
- (2) 10' Chains with slip hooks
- (4) Adjustable unibody tie-downs
- Removable front and rear cross members
- (2) Hinge-a-matic™ non-skid ramps
- Laser cut treadways 60" tower height

Specifications

Weight: ..... 6,300 lbs. (2858 kg)
Length: ..... 18' (5.5m) - with towers extended - 22' 8" (6.9m)
Width: ..... 86" (2.19m) - with towers extended - 142" (3.62m)
Height: ..... 7' 3" (2.22m) - with Tower Extension - 9' 3" (2.83m)
Treadway Width: ..... 27" (.69m)
Working Height (Floor to top of bed): ..... 27" (.69m)
Hydraulic Power: ..... 10 Tons Per Tower
Lifting Capacity: ..... 15-Ton Ram on Lift
Hydraulics: ..... Air @ 100PSI

CTL **CL832030** 18'
CTL **CL832075** 20'
CTL **CL832120** 22'



HEAVY-DUTY TRUCKER™ FRAME MACHINE

Features

- Drive on frame rack above ground - plumbed for air
- Non-skid treadways
- (4, 6, or 8) 25-Ton, 7' cab towers with hydraulic ram & hose
- 4, 6, or 8 Air hydraulic pumps with gauges for towers
- (4, 6, or 8) 15'- 5", 8' Chains with slip hooks
- 4, 6, or 8 Heavy-duty tower rollers with pins
- 4, 6, or 8 Tower chain locks with locking keys
- 1 New style heavy-duty portable ramps, 2 piece

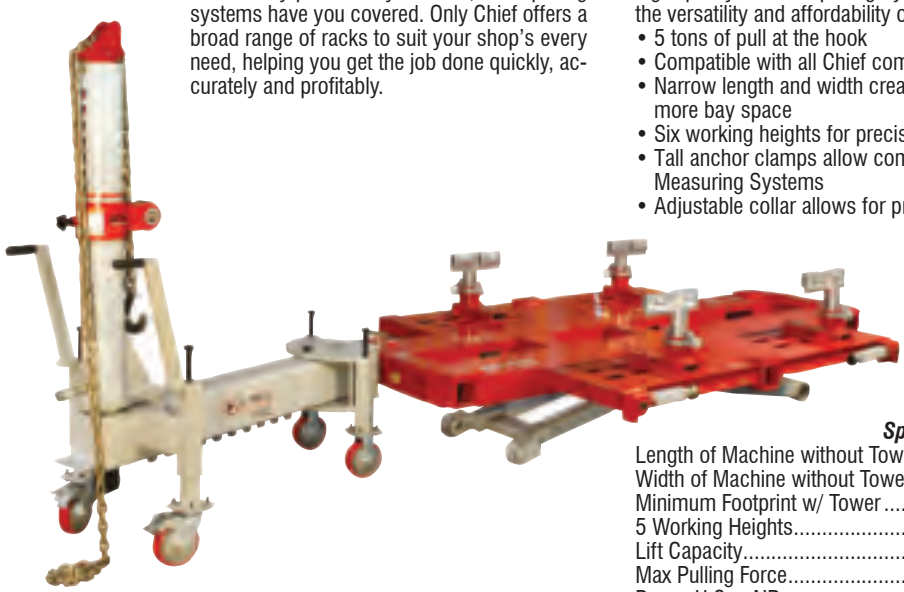
Specifications

Bed Length: ..... 32' (9.75m)
Bed Width: ..... 8' 6" (2.59m)
Treadway Width: ..... 34" (.86m)
Working Height (Floor to top of bed): ..... 20" (.51m)

CTL **CL871005** 32'
CTL **CL871015** 40'

CHIEF AUTOMOTIVE PULLING SYSTEMS

Whether you need power for the big jobs or a small bay productivity solution, Chief pulling systems have you covered. Only Chief offers a broad range of racks to suit your shop's every need, helping you get the job done quickly, accurately and profitably.



EZ LINER EXPRESS FRAME RACK

5,500 lb. Lift Capacity

Only EZ Liner Express offers the right combination of features in a smaller, high quality collision pulling system. Add value to your shop today with the versatility and affordability of the EZ Liner Express

- 5 tons of pull at the hook
- Compatible with all Chief computerized measuring systems
- Narrow length and width creates smaller, narrow footprint = more bay space
- Six working heights for precise positioning
- Tall anchor clamps allow compatibility with all Chief Computerized Measuring Systems
- Adjustable collar allows for proper pulling angle

Specifications

Length of Machine without Tower	16'-3" (4953mm)
Width of Machine without Tower	6'-6" (1981mm)
Minimum Footprint w/ Tower	16'-11"x 20' (5156mm x 6096mm)
5 Working Heights	5.25" to 33" (133mm to 838mm)
Lift Capacity	5,500 lbs. (2494kg)
Max Pulling Force	5-ton (44 kN) at the hook
Power U.S. - AIR	Power International – AIR

CTL **556001**

IMPULSE-E/VHT FRAME RACK

10,000 lb. Lift Capacity

This system can handle most jobs, including today's light trucks and smaller SUVs – at a price that represents a tremendous value. The tilting platform and drive-on interchangeable ramps keep loading and unloading faster and safer.

- 10 tons of pull at the hook with true 360° capability
- Simultaneous pulling at six variable working heights
- Unique tower design that allows ganging around the deck – even at the corners!
- Chief's innovative deck design for virtually unlimited holding and positioning options
- 18' or 20' lengths available

Specifications

Deck Length	18' (5.5m)
Maximum Length	(drive-on ramps included) 19'8" (6m)
Maximum Length	(deck tower on one end, ramp on other) 21'8" (6.6m)
Maximum Length	(towers extended to both ends) 22' (6.7m)
Deck Width	6'8" (2.03m)
Maximum Width	(with towers extended to each side) 10'8" (3.25m)
Height	7'6" (2.28m)
Height	(with tower rams extended up) 8'2" (2.48m)
Weight	3,700 lbs. (1,678 kg)
Lift Capacity	10,000 lbs
Power Required	100 PSI Air Supply (7.0 Bar)
Pulling Capacity	10 Ton
Radius of Pull	360 degrees
Controls	Air-Over-Hydraulic Foot Pump
Clearance	(recommended on all sides) 2'2" (.66m)
Working Height	(from floor to top of mainframe) 26.5" (.67m)
Tie-Down Openings	172
Tie-Down Openings with optional crossmember	178



Item No.	Description
CTL **450436**	20/18' EVHT
CTL **450437**	30/18' EVHT
CTL **450438**	40/18' EVHT
CTL **450430**	20/20' Wide Track EVHT
CTL **450431**	30/20' Wide Track EVHT
CTL **450432**	40/20' Wide Track EVHT

CHIEF automotive technologies

GOLIATH FRAME RACK

12,000 lb. Lift Capacity

Large Platform Electric over Hydraulic Machine

Goliath provides all the size, power and quality performance you need to repair today's larger vehicles

- 10 tons of pull at the hook
- Variable deck heights from 19"- 40"
- True 360° capability
- Simultaneous pulling
- 22' length available
- Tilts for loading and unloading

Specifications

Deck Length.....22'
Deck Width.....7'8"
Working Heights (Floor to Top of Deck) ..... 6 Stops: 19"-40"
Maximum Length (Footprint) .....28'6"
Maximum Width (Footprint).....14'8"
Maximum Height.....9'4"
Weight (2 Tower) ..... 7,100 lbs.
Weight (3 Tower) ..... 7,750 lbs.
Lift Capacity..... 12,000 lbs.
Pulling Force Per Tower 10-Ton
Tie-Down Openings (With Cross-Member) 280
Power - U.S. ..... 120 VAC, 60 Hz, 20 Amp, Single Phase, Dedicated Line
Power - International ..... 230 VAC, 50 Hz, 10 Amp, Single Phase



Item No.	Description
CTL **451320**	20/22', 115V, 50/60 H2 Single Phase
CTL **451330**	30/22', 115V, 50/60 H2 Single Phase
CTL **451340**	40/22', 115V, 50/60 H2 Single Phase
CTL **451420**	20/22', 208V, 50/60 H2 Single Phase
CTL **451430**	30/22', 208V, 50/60 H2 Single Phase
CTL **451440**	40/22', 208V, 50/60 H2 Single Phase

TITAN 360 FRAME RACK

12,000 lb. Lift Capacity

The Titan-360 can handle virtually any vehicle that rolls through your shop – from the smallest unitized frames to the big dual-axle, extended-cab trucks.

- 10 tons of pull at the hook
- True 360° capability
- Simultaneous pulling
- 20' length available

Item No.	Description
CTL **687321**	21 Series, Basic — Single Acting
CTL **687322**	22 Series, Basic — Single Acting
CTL **687331**	31 Series, Basic — Single Acting
CTL **687332**	32 Series, Basic — Single Acting



Specifications

	21 Series	22 Series	31 Series	32 Series
Deck Length				
With Ramps	22'	22'	22'	22'
Front Towers Extended	24' 6"	24' 6"	24' 6"	24' 6"
Front & Rear Extended	25'	25'	25'	25'
Deck Width				
Front Towers Extended On Both Sides	12' 10"	12' 10"	12' 10"	12' 10"
Rear Towers Extended On Both Sides	12' 8"	12' 8"	12' 8"	12' 8"
Height	8' 5"	8' 5"	8' 5"	8' 5"
With Rams Extended	9' 3"	9' 3"	9' 3"	9' 3"
Weight	6,550 lbs	7,250 lbs	7,250 lbs	7,900 lbs
Lift Capacity	12,000 lbs	12,000 lbs	12,000 lbs	12,000 lbs
Working Height	31"	31"	31"	31"
Hydraulic Power Per Tower	10-Ton	10-Ton	10-Ton	10-Ton
Controls	Hand-Held	Hand-Held	Hand-Held	Hand-Held
Recommended Clearance	2'	2'	2'	2'
Tie-Down Openings With Cross Members	218	218	218	218

KANSAS JACK

Magna Rack 2.2 SL, 3-Tower Configuration
KJ **KJ9014223**



MAGNA RACK SL/SLT SERIES FRAME RACKS

- **10 Ton 360° Pulling**
- **Light-weight Drive-on/Drive-off Ramps**
  Provide drive-though capability (SL Only)
- **From 222 to 244 Tie-Downs**
  Efficient and timely vehicle tie-back, drop the chain through deck and secure
- **Front & Rear Removable Cross-Members**
  Gain complete access to vehicle for repairs
- **Front & Rear Wheel Chocks**
  Prevents forward and backward movement of the vehicle
- **Quick-Connect Hydraulic Couplers**
  Allowing for a safe and clean work space
- **One-Bolt Pinch-Weld Base Clamping**
  Reduces vehicle setup time
- **12,000 Lifting Capacity and 92" Wide Deck**
  On the Magna Rack 2.2 SL HD models
- **Infinite-Positioning of Pull Collars**
  For the correct alignment of the pulls
- **Working Heights (SL Series Only)**
  Eight working heights from 12" to 42"
- **Specialty Frame Anchoring Options**
  For BMW, Mercedes, Honda & frame vehicles

Item No.	Description	# of Towers	Length	Shipping Weights
SL Configurations (ELECTRIC Hydraulic)				
KJ **KJ9014202**	Magna Rack 2.0 SL	2	20'	6,200 lbs.
KJ **KJ9014203**	Magna Rack 2.0 SL	3	20'	6,800 lbs.
KJ **KJ9014204**	Magna Rack 2.0 SL	4	20'	7,400 lbs.
KJ **KJ9014222**	Magna Rack 2.2 SL	2	22'	6,620 lbs.
KJ **KJ9014223**	Magna Rack 2.2 SL	3	22'	7,220 lbs.
KJ **KJ9014224**	Magna Rack 2.2 SL	4	22'	7,820 lbs.
SLT Configurations (Tilt Style / Air Hydraulic)				
KJ **KJT9014202**	Magna Rack 2.0 SLT	2	20'	5,200 lbs.
KJ **KJT9014203**	Magna Rack 2.0 SLT	3	20'	5,800 lbs.
KJ **KJT9014204**	Magna Rack 2.0 SLT	4	20'	6,400 lbs.
KJ **KJT9014222**	Magna Rack 2.2 SLT	2	22'	5,620 lbs.
KJ **KJT9014223**	Magna Rack 2.2 SLT	3	22'	6,220 lbs.
KJ **KJT9014224**	Magna Rack 2.2 SLT	4	22'	6,820 lbs.
SL HD Configurations (Electric Hydraulic)				
KJ **KJ9014232**	Magna Rack 2.2 SL HD	2	22'	9,000 lbs.
KJ **KJ9014233**	Magna Rack 2.2 SL HD	3	22'	9,600 lbs.
KJ **KJ9014234**	Magna Rack 2.2 SL HD	4	22'	10,200 lbs.

KANSAS JACK

MAGNA RACK BT/CT SERIES FRAME RACKS

- **10 Ton 360° Pulling**
- **Light-weight Vehicle Loading Ramps**
- **Front & Rear Removable Cross-Members**
  Gain complete access to vehicle for repairs
- **Front & Rear Wheel Chocks**
  Prevents forward and backward movement of the vehicle
- **Infinite-Positioning of Pull Collars**
  For the correct alignment of the pulls
- **10 Ton Hydraulics**
  Lift the heaviest of vehicles
- **Specialty & Frame Anchoring Options**
  For BMW, Mercedes, Honda & frame vehicles

Item No.	Description	Number of Towers	Length	Shipping Weights
BT Configurations (Bearing Tower)				
KJ **KJ9011011**	Magna Rack 18 BT	2	18'	4,800 lbs.
KJ **KJ9011002**	Magna Rack 20 BT	2	20'	6,800 lbs.
KJ **KJ9011004**	Magna Rack 22 BT	2	22'	7,300 lbs.
CT Configurations (Caster Tower)				
KJ **KJ9011187**	Magna Rack 18 CT	2	18'	4,600 lbs.
KJ **KJ9011200**	Magna Rack 20 CT	2	20'	6,600 lbs.
KJ **KJ9011204**	Magna Rack 22 CT	2	22'	7,100 lbs.

HOFMANN



GEOLINER™ 650 XD, 670 XD AND 680 XD IMAGING ALIGNMENT SYSTEMS

Patented imaging technology provides accurate and real-time measurements that improve productivity. User friendly features such as EZ-TOE, VODI and an extensive vehicle specification database delivers customer satisfaction, ease of use and accuracy.

Item No.	Description
HOF **EEWA712G**	geoliner™ 650 XD
HOF **EEWA715H**	geoliner™ 670 XD
HOF **EEWA714R**	geoliner™ 680 XD
HOF **EAA0321J01A**	Fixed-Height Camera Support
HOF **EAA0321J19C**	Variable-Height Camera Support
HOF **EAK0289J79A**	Electronic-Tilt Camera Support

HOFMANN



Shown with optional Electronic-Tilt Camera System Kit

GEOLINER™ 600 IMAGING ALIGNMENT SYSTEM

- The Hoffman geoliner 600 imaging wheel alignment system is ergonomically designed to save valuable shop space while providing the latest in three-dimensional camera technology
- Patented "Short Bay" software allows for installations of our system into smaller shops
- Optional Electronic-Tilt Camera System Kit *HOF* **EAK0289J79A** increases productivity

HOF **EEWA721AL**

HOFMANN



GEOLINER™ 550 PORTABLE IMAGING ALIGNMENT SYSTEM

- User-friendly interface with easy-to-use graphics and job aids
- Pro42 software provides rolling runout compensation without jacking the vehicle
- Lightweight magnesium components - easier to work with and reduce operator fatigue
- Cordless Pods use Lithium Ion rechargeable battery - can go up to a full week without recharging
- Bluetooth-enabled wireless communication allows for alignments within 330 feet of the console - even in areas with high electrical interference - for true portability
- Works in small areas - perform alignments literally anywhere in your shop!

HOF **EEWA717B**

BOSCH
invented for life



FWA 4437 8R WHEEL ALIGNERS

One-wheel alignment program for cars and trucks targeting high volume wheel alignment workshops.

- Additional measurement screen that is important for body and frame damaged vehicles
- One piece solid aluminum sensor frames
- New digital 20° CCD cameras with extended toe measuring range and integrated camber pendulum
- 8-sensor system is a permanent calibration monitoring system
- Additional measurements such as wheel offset, axle offset and track width difference
- Exceptionally high accuracy and repeatability
- 8-sensor, wireless, multiquick clamps, printer, calibration kit (turnplates not included)

BSD **1690320089**

BOSCH
invented for life



BSD **850001633**



BSD **1690401032**

BOSCH WHEEL ALIGNERS ACCESSORIES

BSD **850001633** Spoiler Adapter 50mm (2 required)
BSD **1690401032** Large Rim Wheel Clamp Extension Set
BSD **1699000900** Dual Wheel Adapter Ext. (6 required)

BOSCH
invented for life



FWA 4332 6R WHEEL ALIGNERS

The system has original car manufacturers measurement routines, including over 12,000 vehicle specifications, and is best for high volume wheel alignment workshops.

- One piece solid aluminum sensor frames
- New digital 20° CCD cameras with extended toe measuring range and integrated camber pendulum
- Wireless data transfer, no cables required
- 6-sensor system – 2 front heads and 2 rear heads
- Each sensor head contains individual measurement processors
- Exceptionally high accuracy and repeatability
- 6-sensor, wireless, quick clamps, printer, calibration kit (turnplates not included)

BSD **1690320084**

KANSAS JACK

TRU-POINT SONIC 360 PROFESSIONAL MEASURING SYSTEM

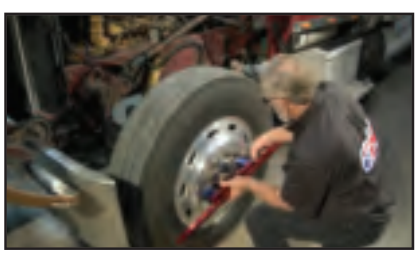
The Tru-Point Sonic 360 delivers the proven cutting edge ultrasound technology used around the globe by top collision repair facilities. Emitter probes, attached to system-specified points on the vehicle, send sonic signals which are read with a lightweight aluminum beam.

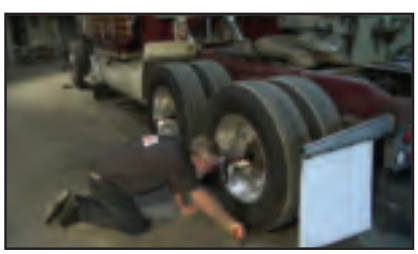
- Print/store report documenting pre- and post-repair measurements
- No moving parts translates to simple, accurate, and reliable measurements
- The computer—not the operator—calculates deviations, eliminating the chance of manual error
- Sonic 360 measures the vehicle as you pull. The operator is free to view live readings on the color monitor as the repair takes place.
- Digital photos of attachment points and full underbody
- Measure 12 points simultaneously
- Includes VIN scanner for VIN decoding
- Includes 2 MCP underhood measuring accessories
- Includes deluxe tram bar for upperbody opening specifications provided in the Professional software
- Includes beam storage/mobility cart
- 2 year warranty, 2 year vehicle specifications subscription

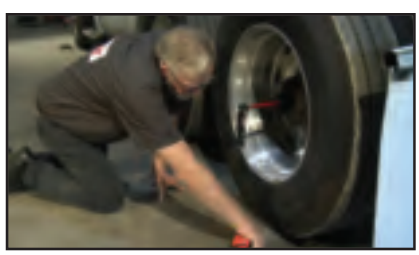
KJ **EECR907B**



EZ RED
Innovative products since 1966.







EZLINE® LASER MULTI-ALIGNMENT TOOL

Makes obtaining alignment readings on most trailer types, from RVs to commercial trailers, very simple and fast.

- Multi-purpose measurement capabilities, saves time and money
- For heavy trucks and all types of trailers
- E-Z, fast, precise axle and wheel alignment
- All measurements can be made in less than 10 minutes
- Simple two-step instructions
- Compact design, easy transport and storage

SER **EZLINEB1SW**



Exclusive YouTube videos, scan the QR code with your smart phone or go to www.youtube.com/user/NAPATools

CHIEF AUTOMOTIVE MEASURING SYSTEMS

Computerized measuring has become the standard for a proper collision repair. Only Chief measuring systems offer fast and easy setup, quick operation and full color reports which help you return vehicles to pre-collision condition. Demand the best!

VECTOR



A value priced unit with all the features that have made Chief the Leader in Electronic Measuring.

- Easy to learn and use. Sets up in as little as 10 minutes!
- Finds all the damage the first time for more profitable estimates.
- Printed documentation of damage before, during, and after repairs. DRP Approved!
- Simultaneous "live" measuring of entire vehicle.
- Helps Estimators "Blueprint" the vehicle and Technicians repair it!
- Improves workflow management and shortens cycle time…Guaranteed!
- E-Access Technical Support that allows factory technicians to help you troubleshoot any questions you have.
- New Vehicle Specifications downloaded automatically to the system every week.

CTL **788185**

LASERLOCK - LIVE MAPPING SYSTEM



Our top of the line model equipped with all the features to make your shop more productive. Unit maps every selected structural point on a vehicle every 3 to 5 seconds in real time. The installed inclinometer on our LaserLock scanner allows the system to be moved from a 2 Post Lift for Blueprinting to a Frame Rack for structural repair in minutes without complicated set up. Secondary web enabled monitor to run your estimating system or access your OEM repair procedures so the technician never has to leave the bay.

- Dual Display Monitor
- Lockable Cabinet Design
- Out of Level Measuring Feature
- Portable Cabinet Design
- Secure Scanner Storage Area
- Upper Body Bar for Body Openings

CTL **788374**

F.A.S.T. ANCHORING SYSTEM



The F.A.S.T. Anchoring System accommodates the majority of today's pickup trucks, sport utility vehicles and full frame cars, making it easier to measure vehicles with greater precision. Because of the system's technician-friendly use and ease of setup, repairs are uncomplicated and simple. Pulling and measuring time is reduced and technicians only need to level the vehicle to go to work.

CTL **200033**

ALUMINUM COLLET STYLE ATTACHMENT KIT



Chief's new aluminum collet style attachment kit is designed to be used on non-ferrous vehicle panels. With three different size ranges it is very versatile and gives you maximum flexibility. The kit comes with 4 large, 8 medium and 6 small attachments. No more worries about cross contamination when you purchase this kit. The kit will cover holes ranging from 10mm up to 44mm's. This kit will fit into your existing Chief Electronic Measuring System for easy storage.

- Perfect for Aluminum vehicles
- Non-slip design ensures target stays attached to vehicle during the entire repair process
- Three variable sizes to cover holes ranging from 10mm up to 44mm
- 18 individual pieces

CTL **640200**



MULTI-CUTTER MC 40
THE PRECISION PLASMA CUTTER

Perfect cutting performance, particularly on high strength steels and through rust or paint. The only efficient cutting method for BORON body parts. Precise cutting capabilities even on thin panels. Perfect also on double layers: Cutting through one layer without penetrating the lower one.

Features

- Inverter current source
- Electro pneumatic ignition
- Microprocessor control
- 6 m torch

Specifications

Mains voltage	230 V (single phase) 50 / 60 Hz
Cutting current	5 - 40 A continuous setting
Max. cutting capacity	St / Al / stainless = 0.24" / 0.24" / 0.20" thickness
Duty cycle dimensions	60 % at 40 A / 100 % at 25 A
Protective system	IP 23
Weight	10.1 lb
Dimensions H / W / D	9.8" / 11.4" / 5.1"

CTL **EL515819**

SYSTEM MULTISPOT® PROFESSIONAL EQUIPMENT FOR AUTOMOTIVE WORKSHOPS

CHIEF automotive technologies

MULTISPOT® MI-100 CONTROL RESISTANCE SPOT WELDER FOR THE PROFESSIONAL BODY SHOP



Inverter Technology

Measuring the impedance ensures process reliability during the spot welding operation. Designed for all car body repairs with high strength steels (e.g. Boron, USIBOR, TRIP, TWIP and XIP).

Process Optimization: Recognition and compensation of foreign substances i.e. primer, glue and antirust lacquer.

Features

- High quality inverter technology assures perfect spot welding results
- Quick change of spot welding pliers or spot welding guns by means of central connector for C- or X-Pliers and single spotters
- Welding quality tested and approved by car manufacturers
- Car manufacturer welding programs are selectable
- CSA approval for USA, Canada and Mexico

CTL **EL520458**

MULTISPOT® MI-100 CONTROL T SPOT WELDER



Inverter Technology

Designed for all car body repairs with high strength steels (e.g. Boron, USIBOR, TRIP, TWIP and XIP).

Features

- High performance transformer pliers
- Impedance measurement for perfect results
- Automatic readjustment of welding parameters, uniform quality from the first spot weld to the last one
- Automatic detection for interference factors such as dirt, adhesives or protective coatings
- 16 feet of welding cable for increased reach
- CSA approval for USA, Canada and Mexico

CTL **EL520474**

MULTISPOT® MI-100 SPOT WELDER HIGH PERFORMANCE INVERTER



Inverter Technology

Designed for all car body repairs with high strength steels (e.g. Boron, USIBOR, TRIP, TWIP and XIP). The spot welder for the professional body shop.

Features

- High quality inverter technology assures perfect spot welding results
- Quick change of spot welding pliers or spot welding guns by means of central connector for C- or X-Pliers and single spotters
- Welding quality tested and approved by car manufacturers
- The current/welding parameters are adjusted automatically
- Quick change of tools with automatic recognition and automatic setting of welding parameters
- Easy connection of the suitable tool for the job at hand
- CSA approval for USA, Canada and Mexico

CTL **EL520531**

MULTISPOT® M80 LIGHT WEIGHT, USER-FRIENDLY OPERATION SINGLE PHASE SPOT WELDER



The Specialized Spot Welder For Car Body Technicians

Features

- High level performance and intelligent digital control ensure high quality spot welds
- Microprocessor control of spot welds up to a panel thickness of 0.12 + 0.12 in.
- Central connector for very quick tool changes
- Automatic tool recognition and setting of the relevant welding program
- Lightweight pneumatic spot welding pliers with angled electrode arms for better access to critical areas at the vehicle
- Easy use
- CSA approval for USA, Canada and Mexico

CTL **EL515706**

Specifications

	CTL **EL520458**/*CTL* **EL520531**	*CTL* **EL520474**	*CTL* **EL515706**
Power supply	208-240 V or 480 V (3 phase)	208-240 V (3 phase)	208-240 V
Fuse	30 A (480 V) / 60 A (208-240 V) slow blowing	80 A slow	64 A slow blowing
Mains connection cable Ø / length	#6 /33"	33"	N/A
Mains frequency	50/60 Hz	50/60 Hz	50/60 Hz
Mains supply power	42 kVA	42 kVA	14.7 kVA
Nominal power by 50 % ED	60 kVA	60kVA	N/A
Welding current max.	12,000 A DC	12,000 A DC	6,800 A
Ambient temperature	104° F	104° F	104° F
Protective system	IP 21	IP 21	IP 21
Power supply unit	Mobile	Mobile	Mobile
Weight without accessories	Approx. 216 lb	Approx. 187 lb	Approx. 214 lb
Dimensions H / W / D	36.4"/25.6"/25.4"	36.4"/25.6"/25.6"	40.2"/20.3"/23.6"

CHIEF automotive technologies



MIGMAG 511 SYNERGIC PULSED WELDER

The Elektron MigMag 511 is a synergic welding machine with pulse functionality capable of welding galvanized sheet metal, high-strength steel, and aluminum alloys. It also offers complete range synergic programs for aluminum wire. This unit comes with a Push-Pull torch. However, a standard torch is also an option. For a standard torch model please see *CTL* **128-EL900011**.

- Capable of welding and brazing aluminum alloys, galvanized sheet metal, stainless, and high-strength steel
- Two types of torches can be used with MultiMig power source - a standard MIG torch or the unique push-pull torch.
- Manual adjustment of welding current, wire speed, and material thickness.
- Built-in cart to hold the gas cylinder and for easy welder handling

CTL **EL900012**



MULTIMIG 522 DOUBLE PULSE WELDER

The MultiMig 522 Double Pulse is a MigMag inverter synergic welding machine with pulse and double pulse functions, capable of welding and brazing galvanized steel, high strength steel, and aluminum alloys. The machine has two separate gear motors, which allow it to use two separate reels. The standard torches allow for customization and simultaneous use for different materials.

- Capable of welding and brazing aluminum alloys, galvanized sheet metal, stainless, and high strength steel
- Two-roller wire feed that can weld very thin aluminum with full penetration without burn-through
- Includes a complete set of synergic programs in memory for brazing, welding and aluminum wire
- Two types of torches are standard - a standard MIG torch and the unique push-pull torch
- The Push-pull system torch has an up-down digital current adjust at your finger tip
- Manual adjustment of welding current, wire speed, and material thickness
- Can operate in pulse synergic, synergic, or conventional mode
- Double Pulse feature - mechanically and electrically controls the welding parameters to achieve a TIG-looking (fish scale) weld bead
- Built-in cart to hold the gas cylinder and for easy welder handling

CTL **EL900010**

FUME EXTRACTOR

Weld Fume Collection is Serious Business!



Protecting your workers from occupational hazards is more than just good business practice or housekeeping. Welders, for example, who are in daily contact with workplace operational hazards, must be protected from exposure to contaminants, such as weld-fume particulate, that can lead to serious health concerns and illnesses.

- 750 CFM of airflow to quickly move flux burn off from welding area
- Quiet running electric motor will blend in with ambient shop sound levels
- Quick and Easy Maintenance when required
- Easy to read and reach controls
- Movable and sturdy to place where needed

CTL **CHF1001** 7 ft. Arm

CHIEF DUST EXTRACTOR

Eliminate Risk Of Aluminum Sparks



Chief's Mobile Dust Extractor System separates aluminum particulate and immerses. Designed for the recovery and neutralization for conductive and explosive dust into a liquid immersion bath. The mobile system allows you to address the risk anywhere in the shop. This means your shop doesn't need anything special to help filter the areas you make money in - your body repair space. The detachable oil/water tank is easily removable and includes a ball valve to empty recovered materials.

- 100% Stainless Steel
- Equipped with a liquid level indicator
- 110 CFM of airflow
- 99.995% efficiency HEPA Filter
- Fully integrated automatic on/off switch
- Detachable 30 liter oil/water tank
- CSA Certified
- Includes 20' suction hose

CTL **CHD3001**



RIVET GUN

Chief's Rivet Gun is pneumatic-hydraulic system for riveting and pressing out self-piercing rivets. Lightweight and highly efficient-this riveting tool allows technicians to complete repairs in record time.

- Attachments for riveting, hole punch, pressing out and calibrating
- Pressure ratio 100:1
- Precise control over strength of impact
- Low maintenance

CTL **CHR2001**

CHIEF automotive technologies



MULTITOOL ALUMINUM DENT REPAIR STATION

The MultiTool Aluminum Dent Repair Station is a complete workstation, with all the tools required for all aluminum auto body repairs. Specifically designed for the repair of aluminum sheet metal panels, this unit can be easily fitted to any profile without the removal of body panels. Give your technician a tool that will make large profits for your shop.

- MultiSpot M22 AL - A 115V aluminum capacitor discharge stud welder, complete with stud gun and 2-clamp grounding cables
- Anodized aluminum pulling bar kit (90 cm) with mobile feet and 10 x 10 cm pivoting bases
- Anodized aluminum pulling system for smaller jobs
- Hammer kit with 4 anodized aluminum hammers
- Heat gun
- Infrared laser thermometer
- Heat shield gel
- An angled air die grinder
- A starter kit of aluminum studs, zinc-plated steel eye-bolts and a plastic case

CTL **EL930001**

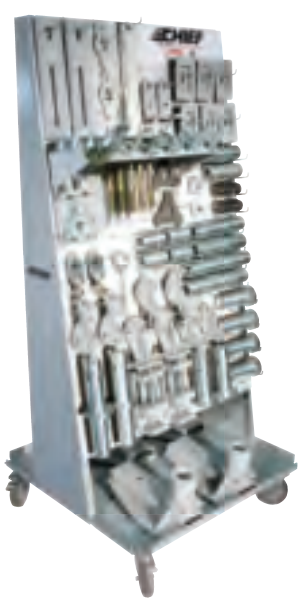
CHIEF automotive technologies

CHIEF TOOL BOARD

This structural hold package is conveniently mounted on a tool board that outlines each component. Making it simple to identify where the part goes; all affixed to an easy to roll cart. Structural holding package is designed to give additional holding strength to new vehicles manufactured with large amounts of High Strength Steel and Ultra High Strength Steel and aluminum structures

- Vertical large holding fixtures
- Aluminum F150 holding fixtures
- Use for unitized and full frame vehicles

CTL **300001**



ALC

SIPHON BLASTERS



Lightweight, portable blasters for use with abrasive or liquids. Liquids can only be used with Bottle Blaster. Inexpensive, and easy to set up and operate. For use on: metal, wood, cement, plastic, or other surfaces with recommended pressure and abrasive. Four different models. Two-year warranty.

Specifications

Air Pressure:	80-125 psi
Steel Nozzle Size:	(1) 1/4"
Air Jet Size:	(1) 1/8"
Blast Time:	5-10 min.
Min. Air Vol. @ 80 psi:	15 cfm
Container Volume:	1 qt.
Approx. Capacity:	4 lbs.
Height:	10"
Shipping Weight:	2 lbs.

BK **770-7645**

ALC

HANDHELD BOTTLE ABRASIVE BLASTER GUN



Lightweight, portable handheld unit for use with abrasives or liquids. Easy setup.

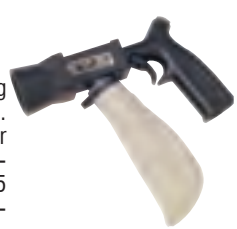
Specifications

Capacity:	One Quart
Maximum Pressure:	125 PSI
CFM:	15@80 PSI
Steel Nozzle:	1/4"
Air Jet:	1/8"
Blast Time:	5-10 Min.
Approx. Abrasive Capacity:	4 lbs.

BK **770-5053**

ALC

SPOT BLASTER



The perfect tool for small jobs! Self-recycling and dust-free, with 5/16-inch ceramic nozzle. Four optional head accessories available for edge, inside corner, outside corner, and mini-spot. Includes abrasive. Air pressure: 80-125 psi. Minimum air volume: 7-15-20 CFM. Shipping weight: 3 lbs.

BK **770-7646**

ALC

PORTABLASTER SANDBLAST GUN



Lightweight, portable sandblaster can be used with abrasives or liquids. Easy setup with unlimited capacity and blast time.

Specifications

Maximum Pressure:	125 PSI
Minimum CFM:	7 @80 PSI
Air Jet Size:	5/67", 1/8"
Steel Nozzles:	13/64", 1/4"
Hose Size:	3/8" x 10'

BK **770-5052**


BK **770-9010**


BK **770-9013**


BK **770-9016**

SIPHON BLASTER ACCESSORIES

Item No.	Description
BK **770-9010**	Air Jet 5/64" Small, Gold
BK **770-9011**	Air Jet 1/8" Medium, Silver
BK **770-9012**	Air Jet 5/32" Large, Black
BK **770-9013**	Steel Nozzle 13/64" (7 CFMS @ 80 psi.)
BK **770-9014**	Steel Nozzle 1/4" (15 CFMS @ 80 psi.)
BK **770-9015**	Steel Nozzle 5/16" (20 CFMS @ 80 psi.)
BK **770-9016**	Ceramic Nozzle 13/64" (7 CFMS @ 80 psi.)
BK **770-9017**	Ceramic Nozzle 1/4" (15 CFMS @ 80 psi.)
BK **770-9018**	Ceramic Nozzle 5/16" (20 CFMS @ 80 psi.)


BK **770-7647**


BK **770-7648**

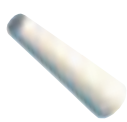

BK **770-9007**

HOODS

Item No.	Description
BK **770-7647**	Light Duty Soft Hood
BK **770-7648**	Light Duty w/Bump Cap
BK **770-9007**	Premium Fabric Hood
BK **770-7649**	Replacement Lens 5" x 6" for *BK* **770-7647** and *BK* **770-9007**, *BK* **770-7648**

PRESSURE BLASTER CERAMIC NOZZLES & SEALING BLOCKS

Item No.	Description
BK **770-9020**	3/32" (7 CFMS @ 80 psi.)
BK **770-9021**	1/8" (15 CFMS @ 80 psi.)
BK **770-9022**	5/32" (25 CFMS @ 80 psi.)
BK **770-9023**	3/16" (40 CFMS @ 80 psi.)
BK **770-9024**	1/4" (80 CFMS @ 80 psi.)
BK **770-9019**	Square Sealing Block (pkg. three).


BK **770-9020**



DUAL PISTON STRAIGHT LINE SANDER
Sanding pad not included.
NPT **6-8222**



HEAVY-DUTY DUAL PISTON STRAIGHT LINE SANDER
CP **CP7268**

Specifications

	Straight Line Sanders	
	NPT **6-8222**	*CP* **CP7268**
Free Speed RPM	3,000	5,000
Pad Size (In.)	2 1/2" x 15 1/2"	2 3/4" x 17 1/2"
Spindle Thread (In.)	—	
Average Air Cons. (cfm)	8	8.5
Air Cons. @ Load (cfm)	9	10.7
Dimensions (H x L - In.)	15 1/2"	16.5"
Net Weight (Lb.)	6.2	6.06
Pad Type	Clamp	Molded Edge with Clip
Air Inlet NPTF	1/4"	1/4"
Vacuum	NV	None

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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HEAVY-DUTY BELT SANDER 3/8 IN. (10MM) CAPACITY
CP **CP9779**

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HEAVY-DUTY BELT SANDER 3/4 IN. (20MM) CAPACITY
CP **CP9780**

3M



3M™ FILE BELT SANDER
MMM **28366**

3M



MMM **28368-5**



MMM **28369-2**

3M™ FILE BELT SANDER ATTACHMENT ARMS

Item No,	Width	Length	Description	Qty./ Case
MMM **28368-5**	1/2"	18"	Standard style: Standard arm included with 3M™ File Belt Sander. Sand with contact wheel or platen.	1
MMM **28369-2**	1/2"	18"	Thin style: Thinner arm makes it easier to use in narrower spaces. Sand with contact wheel or platen	1

3M



3M™ ORBITAL SANDER - ELITE SERIES, NON-VACUUM
MMM **28527**

3M



3M™ ORBITAL SANDER - ELITE SERIES, SELF-GENERATED VACUUM
MMM **28529**

RANDOM ORBITAL SANDER ACCESSORIES
Not Illustrated

MMM **25119**	Airline Extension
MMM **20452**	Clean Sanding Filter Bag
MMM **20451**	Air Tool Lubricant

3M



3M™ ELECTRIC RANDOM ORBITAL SANDER KIT, 6 INCH NON-VACUUM
MMM **28526** 3/16" Orbit

Contents

Item No.	Description
MMM **28429**	6 in. Non-Vacuum, 3/16 in. Orbit sander
MMM **8434**	12 foot Power Cord
MMM **28436**	Power Supply with a 3M™ AC Power Cord (30V DC output to 100 - 240 AC input)

Specifications

	Belt Sanders			Orbital Sanders		
	CP **CP9779**	*CP* **CP9780**	*MMM* **28366**	*MMM* **28527**	*MMM* **28529**	*MMM* **28526**
Free Speed RPM	22,000	20,000	22,000	10,000 MAX. (OPM)	10,000 MAX. (OPM)	11,000 MAX. (OPM)
Pad Size (In.)	3/8" x 13"	3/4" x 20.4"	Belt = 1/2" x 18"	2 3/4" x 7 3/4"	2 3/4" x 7 3/4"	6" - 3/16" Orbit
Spindle Thread (In.)				N/A	N/A	N/A
Average Air Cons. (cfm)	14	15	15	17 SCFM	17 SCFM	None
Air Cons. @ Load (cfm)	28	30	31	N/A	N/A	None
Dimensions (H x L - In.)	12"	15"	14.57L X 2.93H X 5.95W	8.11 L X 4.09 H	10.5 L X 4.09 H	7.28 L X 3.82 H
Net Weight (Lb.)	1.98	3.30	2.8	2.11	2.19	2.04
Pad Type	Belt	Belt	Belt	HOOKIT	HOOKIT	STIKIT
Air Inlet NPTF	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Vacuum	None	None	None	NV	SGV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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6 IN. (150MM) RANDOM ORBITAL PALM SANDER

CP **CP7225** Vac NV, 3/32" Orbit
CP **CP7225SV** Vac SV, 3/32" Orbit

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6 IN. (150MM) RANDOM ORBITAL PALM SANDER

CP **CP7255** Vac NV, 3/16" Orbit
CP **CP7255CV** Vac CV, 3/16" Orbit
CP **CP7255SV** Vac SV, 3/16" Orbit

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NV



6 IN. (150MM) RANDOM ORBITAL PALM SANDER

Item No.	Description
CP **CP7215E**	Pad H&L, Vac NV, 3/8" Orbit
CP **CP7215CV**	Pad PSA, Vac CV, 3/8" Orbit
CP **CP7215CVE**	Pad H&L, Vac CV, 3/8" Orbit
CP **CP7215SVE**	Pad H&L, Vac SV, 3/8" Orbit

DEWALT



ORBITAL PALM SANDER

DEW **DWMT70781L**

Chicago Pneumatic



6 IN. (150MM) TWO HANDED RANDOM ORBITAL PALM SANDER

CP **CP7255H** 3/16" Orbit
CP **CP7215H** 3/8" Orbit

DEWALT



HIGH SPEED RANDOM ORBITAL SANDER

DEW **DWMT70780**

Specifications

	CP **CP7225**	*CP* **CP7255**	*CP* **CP7215E**	*DEW* **DWMT70781L**	*CP* **CP7255H / CP CP7215H**	*DEW* **DWMT70780**
Free Speed RPM	12,000	12,000	12,000	12,000	11,000	11,000
Pad Size (In.)	6" - 3/32" Orbit	6" - 3/16" Orbit	6" - 3/8" Orbit	6	6"	6"
Spindle Thread (In.)	5/16-24	5/16-24	5/16-24	5/16"-24	5/16-24	—
Average Air Cons. (cfm)	8	8	8	2.2	9	2.7
Dimensions (H x L - In.)	4.1" x 7.3"	4.1" x 7.3"	4.1" x 7.3"	3.5" x 6.5"	3.8" x 11"	10.6" L
Net Weight (Lb.)	1.74	1.74	1.74	2.0 lbs	1.93/2.03	5.32
Pad Type	PSA	PSA	H&L	H&L	PSA	PSA
Air Inlet NPTF	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Vacuum	NV	NV	NV	NV	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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6 IN. GENERAL-DUTY DUAL SANDER WITH ROTARY OR RANDOM ORBITAL

CP **CP870** 3/8" Orbit

Ingersoll Rand. | NASCAR
OFFICIAL POWER TOOLS OF NASCAR



6 IN. RANDOM ORBITAL AIR SANDER

IR **8102MAX** PSA
IR **8202MAX** Hook and Loop

NASCAR® is a registered trademark of the National Association for Stock Car Auto Racing, Inc.



6 IN. (150MM) HEAVY-DUTY DUAL-ACTION RANDOM ORBITAL SANDER

NPT **6-915** 6" Heavy-Duty Dual-Action Random Orbital Sander
NPT **6-5416** 6" Foam Backing Pad Replacement

3M



3M™ RANDOM ORBITAL SANDER - ELITE SERIES, 6 IN. SELF-GENERATED VACUUM

MMM **28510** 5/16" Orbit
MMM **28516** 3/16" Orbit

3M

3M™ RANDOM ORBITAL SANDER - ELITE SERIES, 6 IN. NON-VACUUM

MMM **28499** 5/16" Orbit
MMM **28500** 3/16" Orbit





5 IN. (127MM) ORBITAL AIR SANDER

Buffing pad included.



Item No.	Description
NPT **6-1023**	5" Orbital Air Sander
NPT **6-5419**	5" Hook & Loop Face Replacement Pad
NPT **6-5420**	5" Pressure Sensitive Adhesive Face Replacement Pad

Specifications

	CP **CP870**	*IR* **8102MAX**	*IR* **8202MAX**	*NPT* **6-915**	*MMM* **28510** / *MMM* **28516**	*MMM* **28499** / *MMM* **28500**	*NPT* **6-1023**
Free Speed RPM	10,000	0-10,500	0-10,500	12,000	12,000	12,000	12,000
Pad Size (In.)	6" - 3/8" Orbit	6"	6"	6"	6"	6"	5"
Spindle Thread (In.)	5/8-11	—	—	5/16-24	5/16-24	5/16-24	5/16"-24
Average Air Cons. (cfm)	8	—	—	8	N/A	NA	8
Air Cons. @ Load (cfm)	18	12.7	12.7	16	—	—	15.5
Dimensions (H x L - In.)	4.7" x 10"	—	—	4.1" x 7.3"	3.64" x 9.64"	3.58" x 7.36"	6"
Net Weight (Lb.)	4.25	1.65	1.65	1.74	2.04	1.91	1.7
Pad Type	PSA	PSA	Hook and Loop	PSA	CS HOOKIT	STIKIT	H&L / PSA
Air Inlet NPTF	1/4"	—	—	1/4"	1/4"	1/4"	1/4"
Vacuum	NV	No	Yes	NV	SGV	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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3 IN. (75MM) RANDOM ORBITAL PALM SANDERS

CP **CP7225-3** 3/32" Orbit
CP **CP7255-3** 3/16" Orbit



3 IN. (76.2MM) ORBITAL AIR SANDER

Buffing pad included.



Item No.	Description
NPT **6-1022**	3" Orbital Air Sander
NPT **6-5417**	3" Hook & Loop Face Replacement Pad
NPT **6-5418**	3" Pressure Sensitive Adhesive Face Replacement Pad

3M



3M™ RANDOM ORBITAL SANDER - ELITE SERIES, 3 IN. SELF-GENERATED VACUUM

MMM **28513** 3/32" Orbit
MMM **28511** 3/16" Orbit

3M

3M™ RANDOM ORBITAL SANDER - ELITE SERIES, 3 IN. NON-VACUUM

MMM **28496** 3/32" Orbit
MMM **28494** 3/16" Orbit



Chicago Pneumatic

7 IN. HEAVY-DUTY VERTICAL SANDER

CP **CP7265S**





Chicago Pneumatic

7 IN. HEAVY-DUTY ANGLE SANDER

CP **CP7269S**

EVERCRAFT

6 IN. (150MM) DUAL-ACTION SANDER

BK **776-9263**



6 IN. (150MM) HIGH-SPEED SANDER



Item No.	Description
NPT **6-2100**	High-Speed Sander
NPT **6-5403**	Three Piece Fiber Backing Pad Set
NPT **6-5404**	4 1/2" Fiber Back Plate
NPT **6-5405**	5 1/2" Fiber Back Plate

Specifications

	CP **CP7225-3** / *CP* **CP7255-3**	*NPT* **6-1022**	*MMM* **28513** / *MMM* **28511**	*MMM* **28496** / *MMM* **28494**	*CP* **CP7265S**	*CP* **CP7269S**	*BK* **776-9263**	*NPT* **6-2100**
Free Speed RPM	12,000	12,000	12,000	12,000	5,000	5,000	10,000	12,000
Pad Size (In.)	3"	3"	3"	3"	7"	7"	6"	6"
Spindle Thread (In.)	5/16"-24	5/16"-24	5/16"-24	5/16"-24	5/8-11	5/8-11	5/16-24	5/16-24
Average Air Cons. (cfm)	8.3	8	NA	NA	11	13	2.8	8
Air Cons. @ Load (cfm)	16.5	15.5	17	17	22	26	16	16
Dimensions (H x L - In.)	3.9" x 5.7"	4"	3.44" x 8.14"	3.38" x 5.78"	4.1" x 7.3"	4.1" x 9.1"	4.1" x 8.7"	4.1" x 9.1"
Net Weight (Lb.)	1.38	1.1	1.65	1.52	5	5	3.68	1.84
Pad Type	PSA	H&L / PSA	CS HOOKIT	STIKIT	H&L	PSA	PSA	PSA
Air Inlet NPTF	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Vacuum	NV	NV	SGV	NV	NV	NV	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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Chicago Pneumatic

5 IN. HIGH-SPEED PISTOL SANDER
CP **CP9778**



3 IN. (76.2MM) AIR MINI RANDOM ORBITAL SANDER
NPT **6-1025**



Chicago Pneumatic

3 IN. MINI PISTOL DISC SANDER WITH 3 IN. (75MM) ROLOC PAD

Item No.	Description
CP **CP7202**	3" Mini Pistol Disc Sander with 3" (75mm) Roloc Pad
CP **CP7202D**	Kit includes: *CP* **CP7202D**, Mini Disc Sander, 3" (75mm) Backing Pad, (10) 3" (75mm) 80, 100, and 120 Grit Sanding Discs, 3" (75mm) Fine, Medium and Coarse Surface Prep Discs and Spindle Wrench packed in a heavy-duty carrying case



Chicago Pneumatic

2 IN. & 3 IN. MINI PISTOL RANDOM ORBITAL SANDER WITH 2 IN. (50MM) & 3 IN. (75MM) H&L PADS

Item No.	Description
CP **CP7200**	2" & 3" Mini Pistol Random Orbital Sander with 2" (50mm) & 3" (75mm) H&L Pads
CP **CP7200S**	Kit includes: 2" (50mm) and 3" (75mm) Backing Pads (10) 320, 400 and 600 Grit Sand Paper and Spindle Key packed in heavy-duty carrying case



3M

3M™ 3 IN. RANDOM ORBITAL PISTOL GRIP SANDER
MMM **28353** 1/8" Orbit



3M

3M™ 3 IN. PISTOL GRIP BUFFER
MMM **28354** 1/8" Orbit

Specifications

	CP **CP9778**	*NPT* **6-1025**	*CP* **CP7202** / *CP* **CP7202D**	*CP* **CP7200** / *CP* **CP7200S**	*MMM* **28353**	*MMM* **28354**
Free Speed RPM	14,000	15,000	15,000	15,000	10,000 MAX. (OPM)	15,000
Pad Size (In.)	5"	3"	3"	2" & 3"	3"	3"
Spindle Thread (In.)	7/16-20	3/8"	1/4-20	1/4-20	5/16-24	5/16-24
Average Air Cons. (cfm)	13	4	10.5	10.5	22 SCFM	22 SCFM
Air Cons. @ Load (cfm)	26	16	21	21	N/A	N/A
Dimensions (H x L - In.)	4.7" x 8.2"	3.7"	4.3" x 6.5"	4.7" x 6.5"	4.8 L X 5.35 H	5.2 L X 5.35 H
Net Weight (Lb.)	2.2	1.5	1.5	1.5	1.79	1.79
Pad Type	Fiber Disc	H&L	—	—	HOOKIT	HOOKIT
Air Inlet NPTF	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Vacuum	NV	NV	—	—	NV	NV

NV = Non Vacuum. SV = Self-Vacuum. CV = Central Vacuum.

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WELDING

3 IN. MINI VELCRO SANDING DISC BACKING PADS

Fit any NAPA®, Mac Tools®, Snap-On® or Matco® Mini Sanding Tool. Ideal for use on paint, welds, or any blending/light sanding application.



WLD **777-1828** 1/4"-20 Thread
WLD **777-1829** 5/16"-18 Thread

SANDER BACKING PLATE/PAD

Hook-and-loop backing pad fits tools with 1/4" internal thread. Diameter: 3".



NPT **6-1033**

FOAM BUFFING/ POLISHING PAD

Soft, pliable and tough! Hook-and-loop design dissipates heat and is machine washable. Use with a three-inch hook-and-loop backing pad (*NPT* **6-1033**.) Ideal for polishing, compounds, oxidation, removing wax and buffing scratches. Diameter: 3". Color: Yellow.



NPT **6-1036**

FOAM BUFFING/POLISHING PAD

Durable, heavy-duty foam is machine washable. Hook-and-loop backer provides balance, distributing product evenly and consistently. Removes scratches, swirls and other small imperfections. Use with *NPT* **6-1033.** Diameter: 3". Color: White.



NPT **6-1035**

8 IN. HEAVY-DUTY ANGLE POLISHER



NPT **6-715**

WOOL BUFFING/POLISHING PAD

Soft-blend wool reinforced by firm hook-and-loop backing, Ideal for compounds, oxidation and removing wax or scratches. For use with 3" hook-and-loop backing pad (*NPT* **6-1033**.) Diameter: 3".



NPT **6-1034**

3M™ GREEN CORPS™ ABRASIVE FILE BELT

The 3M™ Green Corps™ abrasive belts are designed to be used for spot weld and hem flange removal as well as grinding in other tight areas. For use with 3M™ File Belt Sander *MMM* **28366** and other file belt tools.



Item No.	Grit	Size	Belts/Box	Box/Case
MMM **31801**	36	1/2" x 18"	20	5
MMM **31804**	80	1/2" x 18"	20	5

SCOTCH-BRITE™ DURABLE FLEX FILE BELTS



Item No.	Width	Length	Grade	Qty./ Case
MMM **64475-2**	1/2"	18"	A CRS	20
MMM **64458-5**	1/2"	18"	A MED	20
MMM **64467-7**	1/2"	18"	A FIN	20

3M™ CUBITRON™ II FILE BELTS



Item No.	Width	Length	Grade	Belts/ Box	Boxes/ Case
MMM **33443-4**	1/2"	18"	36+	10	5
MMM **33445-8**	1/2"	18"	60+	10	5
MMM **33446-5**	1/2"	18"	80+	10	5

7 IN. HEAVY-DUTY ANGLE POLISHER



CP **CP7269P**

Specifications

	NPT **6-715**	*CP* **CP7269P**
Free Speed RPM	2,500	2,500
Pad Diameter (In.)	8	7
Spindle Thread (In.)	5/8"-11	5/8-11
Average Air Cons. (cfm)	6	11.3
Air Cons. @ Load (cfm)	21	22.5
Dimensions (H x L - In.)	16"	4.3 x 12.4
Net Weight (Lb.)	6.5	4.5
Air Inlet NPTF	1/4"	1/4"

www.toolwarrantyrepair.com

Ingersoll Rand

7 IN. HEAVY-DUTY ANGLE POLISHER
IR **318A**



Chicago Pneumatic

7 IN. HEAVY-DUTY VERTICAL POLISHER
CP **CP7265P**



Specifications

	IR **318A**	*CP* **7265P**
Free Speed RPM	2,800	2,100
Pad Diameter (In.)	7	7
Spindle Thread (In.)	5/8-11	5/8-11
Average Air Cons. (cfm)	6	13
Air Cons. @ Load (cfm)	21	26
Dimensions (H x L - In.)	—	4.3 x 12.4
Net Weight (Lb.)	4.5	5.5
Air Inlet NPTF	1/4"	1/4"

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CORDED POLISHERS



7 In. / 9 In. (177.8mm / 228.6mm) Variable Speed Polisher w/ Soft Start



7In. / 9In. (177.8mm / 228.6mm) Variable Speed Polisher



6 In. Corded Variable-Speed Random-Orbit Polisher

Item No.	*DEW* **DWP849X**	*DEW* **DWP849**	*DEW* **7424XP**
Amps	12 AC Amps	12 AC Amps	12.0 AC Amps
Max Watts Out	1,250 W	1,250 W	1,250 W
No Load Speed	0-600 / 0-3,500 rpm	0-600 / 0-3,500 rpm	0-600/0-3,500 rpm
Spindle Thread	5/8"-11	5/8"-11	5/8"-11
Spindle Lock	Yes	Yes	Yes
Tool Length	17.3"	17.3"	17.3"
Tool Weight	6.7 lbs.	6.7 lbs.	6.6 lbs.

3M



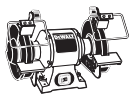
3M™ ELECTRIC VARIABLE SPEED POLISHER
MMM **28391**

Specifications

	MMM **28391**
Amps	11
Max Watts Out	N/A
No Load Speed	3,000
Electronic Variable-Speed	YES
Spindle Thread	5/8" - 11
Spindle Lock	YES
Tool Length	21.13
Tool Weight	7.9
Includes	Side Handle

DEWALT





POLISHING PADS

Item No.	Dia.	Arbor	Material	Pack Qty.
DEW **DW4980**	6"	5/8"	Cotton	1
DEW **DW4988**	7"	–	Wool	1
DEW **DW4989**	7"	–	Cotton Blend	1
DEW **DW4985**	7"	5/8"-11	Rubber Backing Pad	1
DEW **DW4985CL**	7"	5/8"-11	Cotton & Backing Pad	1



DEW **DW4988** *DEW* **DW4980** *DEW* **DW4985CL**



NPT **6-1026**



3 IN. MICRO POLISHER KIT

Includes backing pad.

NPT **6-1027**

NPT **6-1027** Micro Polisher Kit
NPT **6-1026** Micro Polisher & Backing Pad Only

Contents

Item No.	Description
NPT **6-1026**	3" Micro Polisher Tool
NPT **6-1033**	3" Hook-&-Loop Backer Pad
NPT **6-1034**	3" Hook-&-Loop Wool Compounding Pad
NPT **6-1035**	3" Hook-&-Loop White Compounding Pad
NPT **6-1036**	3" Hook-&-Loop Yellow Polishing Pad
—	Spanner Wrench (17mm)
—	Blow Mold Case

Chicago Pneumatic



3 IN. MINI PISTOL DISC POLISHER WITH 3 IN. (75MM) H&L PAD

Item No.	Description
CP **CP7201**	3" Mini Pistol Disc Polisher with 3" (75mm) H&L Pad
CP **CP7201P**	Kit includes: (1) *CP* **CP7201** Mini Polisher, 3" (75mm) Backing Pad, (2) 3.5" (77mm) Foam Compounding Pads (white/yellow), 3.5" (77mm) Wool Buffing Pad and Spindle Wrench packed in a heavy-duty case

Specifications

	NPT **6-1027** / *NPT* **6-1026**	*CP* **CP7201**/ *CP* **CP7201P**
Free Speed RPM	2,500	2,500
Pad Diameter (In.)	3	3
Spindle Thread (In.)	3/8"	1/4-20
Average Air Cons. (cfm)	4	10.5
Air Cons. @ Load (cfm)	14	21
Dimensions (H x L - In.)	3.7"	5.1 x 6.5
Net Weight (Lb.)	1.5	1.74
Air Inlet NPTF	1/4"	1/4"

PINSTRIPE ERASER TOOL

Just because you want new pinstripes doesn't mean you want a new paint job. With this low-speed 2,500 rpm pinstripe removal tool, pin stripes, decals and much more are easily removed. Powerful 45 HP motor engineered for minimal noise and vibration while variable speed throttle provides precise control. Also available in a handy kit with blow mold carrying case (*NPT* **6-1030**).

Item No.	Description
NPT **6-1030**	Pinstripe Eraser Kit
NPT **6-1029**	Pinstripe Eraser Tool
NPT **6-1031**	6 Pc. Standard Replacement Eraser Pads
NPT **6-1032**	3 Pc. Extra-Thick Replacement Eraser Pads with Arbor

Kit Contents

Item No.	Description
NPT **6-1029**	Pinstripe Eraser Tool
—	Side Handle, Washer, Adapter, Spanner Wrench (14mm)
—	5 Pc. Replacement Eraser Pads (3.5" x 9/16" in Diameter)
—	Blow Mold Case



NPT **6-1029**



NPT **6-1031**



NPT **6-1030**

Specifications

Item No.	Stroke/Revolutions Per Min.	Length	Weight	Air Inlet	Min. Hose Size	Avg. Air Consumption
NPT **6-1029**	2,500 RPM	7.79"	1.8 lbs.	1/4"-18" NPT	3/8" ID	5 CFM

MEGA BLASTER PAINT REMOVAL TOOL

Used for removal or rust, paint, gaskets, adhesive residue, seam sealers and automotive coverings without heat build-up. Double planetary gearing for increased power and longer life. Tool has a comfort-grip design and a totally adjustable top handle for complete control. Built-in variable speed safety lever throttle and rear exhaust to direct the tool exhaust away from the work.

Item No.	Description
NPT **6-1040**	Mega Blaster Paint Removal Tool Kit
NPT **6-1039**	Mega Blaster Paint Removal Tool Only
NPT **6-1041**	Mega Blaster Center Hub Accessory Holder
NPT **6-1042**	Mega Blaster Eraser
NPT **6-1043**	Mega Blaster Stripping Wheel
NPT **6-1045**	Fine Replacement Wire Wheel Parts
NPT **6-1046**	Coarse Replacement Wire Wheel Parts



NPT **6-1040**



NPT **6-1041**

Kit Contents

Item No.	Description
NPT **6-1039**	Metal Blaster Tool
NPT **6-1041**	Eraser and Wire Belt Adapter
NPT **6-1042**	Decal and Pinstripe Removal Eraser
NPT **6-1043**	Rust and Paint Removal Wheel
NPT **6-1045**	Fine Bristle Wire Belt
NPT **6-1046**	Course Bristle Wire (Set of 2)
—	1/4" Adapter Plug
—	Blow Mold Case

Specifications

Item No.	Stroke/Revolutions Per Min.	Length	Weight	Air Inlet	Min. Hose Size	Avg. Air Consumption
NPT **6-1039**	4,000 RPM	11.2"	2.7 lbs.	1/4"-8 NPT	3/8" ID	3.5 CFM



NPT **6-5403**



NPT **6-5404**



NPT **6-5405**



NPT **6-5415**



NPT **6-5417**



NPT **6-5419**

SURFACE PREPARATION BACKING PADS & PLATES

Item No.	Description
NPT **6-5403**	Fiber Backing Pad Set, 3 Pc.
NPT **6-5404**	Fiber Backing Plate, 4 1/2"
NPT **6-5405**	Fiber Backing Plate, 5 1/2"
NPT **6-5415**	Foam Backing Pad, 5" DA
NPT **6-5416**	Foam Backing Pad, 6" DA
NPT **6-5417**	Hook-&-Loop Backing Pad, 3"
NPT **6-5419**	Hook-&-Loop Backing Pad, 5"
NPT **6-5418**	PSA Backing Pad, 3"
NPT **6-5420**	PSA Backing Pad, 5"

WELDING

QUICK-CHANGE SURFACE CONDITIONING DISCS



Versatile discs are ideal for virtually any type of surface treating, finishing, cleaning or preparation. Excellent for use on portable right-angle and die grinders for fast, aggressive surface conditioning. Will not under cut or gouge surfaces. Feature time saving quick-change roll-on/roll-off locking device. Discs can be used in conjunction with coated abrasives or for one-step surface conditioning. Flexible, open structure reduces clogging and enables the material to conform to even the most irregular shapes. Self-dressing provides controlled stock removal. Waterproof discs can be used either wet or dry, and nonmetallic construction will not rust or contaminate in any way. Applications include cleaning, deburring, finishing, gasket/oxidation/rust removal, and blending of metal composite or plastic surfaces.

Dia.	Description	Color	Qty.	Item No.
2"	Fine Grain	Gray	10	*WLD* **777-1535**
2"	Fine Grain	Gray	50	*WLD* **777-1540**
2"	Medium Grain	Maroon	10	*WLD* **777-1536**
2"	Medium Grain	Maroon	50	*WLD* **777-1541**
2"	Coarse Grain	Brown	10	*WLD* **777-1537**
2"	Coarse Grain	Brown	50	*WLD* **777-1542**
3"	Backing Pad	Black	1	*WLD* **777-1534**
3"	Fine Grain	Gray	10	*WLD* **777-1533**
3"	Medium Grain	Maroon	10	*WLD* **777-1532**
3"	Coarse Grain	Brown	10	*WLD* **777-1531**
2"	Backing Pad	Black	1	*WLD* **777-1539**

3M

SCOTCH-BRITE™ ROLOC™ BRISTLE DISC

Disc is a molded, abrasive filled bristle disc instead of wire brushes for automotive use on aluminum and metal. Use for deburring, blending, finishing, polishing, cleaning and for coating, defect, scratch and rust removal.

Item No.	Grade	Color	Size	Discs/Box
MMM **07524**	50	Green	2" x 5/8"	10
MMM **07525**	80	Yellow	2" x 5/8"	10
MMM **07526**	50	Green	3" x 5/8"	10
MMM **07527**	80	Yellow	3" x 5/8"	10
MMM **07528**	120	White	2"	10





MMM **07480**



MMM **07513**

SCOTCH-BRITE™ ROLOC™ SURFACE CONDITIONING DISCS TR

Use for cleaning and finishing on all metals for removal of light rust, oxides and coatings

Item No.	Color	Size/Grade	Discs/Box	Discs/Case
MMM **07480**	Brown	2" Coarse	25	4
MMM **07481**	Maroon	2" Medium	25	10
MMM **07482**	Brown	4" Coarse	10	10
MMM **07483**	Maroon	4" Medium	10	4
MMM **07486**	Maroon	3" Medium	25	4
For Aluminum Parts				
MMM **07513**	Blue	3" Medium (VFN)	25	4
MMM **07514**	Gray	3" Fine (SFN)	25	4
MMM **07515**	Blue	2" Medium (VFN)	25	4
MMM **07516**	Gray	2" Fine (SFN)	25	4



SCOTCH-BRITE™ ROLOC™ BODY MAN'S BRISTLE DISC

A premium Cubitron™ abrasive grain 2 inch bristle disc constructed of a new bristle design that enables it to remove high loading substrates quickly, while maintaining product life. Grade: 36. Color: Purple. MOS: 25000 RPM.

CAUTION: Always wear eye and face protection when using cut-off and grinding wheels.

WARNING: Never exceed the manufacturer's recommended max RPM.

Item No.	Size	Qty./Case
MMM **07536**	2"	24

SHARPE The Spray Gun People

FINEX BY SHARPE

Finex FX1000, FX2000 & FX3000 – Value, Innovation, and Performance

Value Exceptional guns at affordable prices.

Innovation A class leader with 29% fewer parts, available repair kits, precision plastic cup lids, available 3M™ PPS™ adapter and interchangeable metal cups (125cc, 250cc, 600cc) and lowest trigger pull among all guns in its class.

Performance Unmatched spray pattern size and quality, one-year warranty.



FX1000

- The **FX1000** is a mini HVLP gun that will not sacrifice comfort when touchup and precision jamb performance is required
- Full-size performance in a mini-size gun
- Two finger trigger for anti-fatigue painting in small areas
- Large pattern size, up to 9.0"

Item No.	mm	Recommended Usage
SPR **289200**	1.0	Light Industrial, Hobby, Spot Repair, Base Coat & Clear Coat
SPR **289221**	1.2	Base Coat, High Solid & Clear Coat
SPR **289222**	1.4	Base Coat, Clear Coat, Single Stage, Sealers, Low Solid Clear & General Purpose



FX2000

The **FX2000** conventional air spray gun delivers an excellent automotive finish when HVLP is not required. Large pattern size, up to 12.0".

Item No.	mm	Recommended Usage
SPR **288883**	1.0	Light Industrial, Hobby, Spot Repair, Base Coat & Clear Coat
SPR **288884**	1.3	Base Coat, High Solid, Single Stage & Clear Coat
SPR **288885**	1.4	Base Coat, Clear Coat, Single Stage, Sealers, Low Solid Clear & Clear Coat
SPR **288886**	1.5	Base Coat, Sealers, Enamels, Medium to High Viscosity & Clear Coat
SPR **288887**	1.8	Primer, High Viscosity

SHARPE The Spray Gun People

FINEX BY SHARPE



FX3000
The **FX3000** HVLP is a full-size spray gun for larger jobs and is the gun of choice when HVLP is required. Large pattern size, up to 12.5".

Item No.	mm	Recommended Usage
SPR **288878**	1.0	Light Industrial, Hobby, Spot Repair, Base Coat & Clear Coat
SPR **288879**	1.3	Base Coat, High Solid, Single Stage & Clear Coat
SPR **288880**	1.4	Base Coat, Clear Coat, Single Stage, Sealers, Low Solid Clear & Clear Coat
SPR **288881**	1.5	Base Coat, Sealers, Enamels, Medium to High Viscosity & Clear Coat
SPR **288882**	1.8	Primer, High Viscosity

ACCESSORIES FOR FINEX FX1000/FX2000/FX3000

Item No.	Finex Needle, Nozzle & Air Cap Kit
SPR **289288**	FX1000 Mini-HVLP Spray Gun (1.0mm)
SPR **289289**	FX1000 Mini-HVLP Spray Gun (1.2mm)
SPR **289290**	FX1000 Mini-HVLP Spray Gun (1.4mm)
SPR **289291**	FX2000 Conventional Spray Gun (1.0mm)
SPR **289292**	FX2000 Conventional Spray Gun (1.3mm)
SPR **289293**	FX2000 Conventional Spray Gun (1.4mm)
SPR **289294**	FX2000 Conventional Spray Gun (1.5mm)
SPR **289295**	FX2000 Conventional Spray Gun (1.8mm)
SPR **289296**	FX3000 HVLP Spray Gun (1.0mm)
SPR **289297**	FX3000 HVLP Spray Gun (1.3mm)
SPR **289298**	FX3000 HVLP Spray Gun (1.4mm)
SPR **289299**	FX3000 HVLP Spray Gun (1.5mm)
SPR **289300**	FX3000 HVLP Spray Gun (1.8mm)

Item No.	Finex Cups Kits, Interchangeable with all Finex Guns
SPR **289517**	Ultra Mini Aluminum, 125cc
SPR **289321**	Mini Aluminum, 250cc
SPR **289320**	Large Aluminum, 600cc

Item No.	Interchangeable with all Finex Guns
SPR **289520**	3M™ PPS™ Adapter

Technical Specifications for Finex FX1000/FX2000/FX3000

Model	Fluid Tips (mm)	Air Consumption (cfm)	Max. Inlet HVLP psi (bar, kPa)	Dry Weight w/out cup (g)	Air Inlet npsm (in.)	Pattern Size (in.)
FX1000	1.0, 1.2, 1.4	7.0 scfm	29 (2.0, 200)	322	¼	9
FX2000	1.0, 1.3, 1.4, 1.5, 1.8	9.5 scfm	—	359	¼	12
FX3000	1.0, 1.3, 1.4, 1.5, 1.8	9.5 scfm	29 (2.0, 200)	359	¼	12.5

DEWALT



GRAVITY HVLP SPRAY GUN
- Well-balanced & lightweight
- 600cc Aluminum paint cup with lid
- Small, light weight diaphragm mini air regulator
- 3 Year Warranty

DEW **DWMT70777**

DEWALT



GRAVITY TOUCH-UP SPRAY GUN
- Fine spray, compact size for precision jobs
- Well-balanced & lightweight
- 124cc Aluminum paint cup with lid
- 3 Year Warranty

DEW **DWMT70778**

DEWALT



SIPHON CONVENTIONAL SPRAY GUN
- Cam style 1000cc cup
- Multi-purpose applications
- High volume / high pressure
- Convertible to pressure feed
- 3 Year Warranty

DEW **DWMT70779**

4 PC. SPRAY GUN KIT



Small (1mm) gun is ideal for small jobs, detail and touch-up work. Medium (1.4mm) and large (1.7mm) guns include stainless steel needle and nozzle set. Medium gun is ideal for use on lighter materials, such as high quality base- and clear-coats. Large gun works on heavier materials, such as primers, surfaces and fillers. Air pressure regulator includes gauge and maintains pressure, prolonging air tool life.

BK **899-3261**

Contents

Qty.	Description
1	Diaphragm Regulator/Gauge (BK **776-3768**)
1	Small Touch-Up Spray Gun (1mm)
1	Medium Spray Gun (1.4mm)
1	Large Spray Gun (1.7mm)

Specifications

Item:	Regulator	Small Gun	Med./Lrg. Guns
Air Inlet	1/4" NPT	1/4" NPT	1/4" NPT
Avg. Air Consumption	—	4-5 CFM	10-13 CFM
Cup Size	—	100 mL	1,000 mL
Fluid Orifice	—	1mm	1.4 /1.7mm
Gauge Range	0-180 PSI	—	—
Max. Air Inlet Pressure	160 PSI	30 PSI	43 PSI
Nozzle Pressure	—	12.5-23 PSI	7-12.5/9-12.5 PSI

For Airline Regulators, Lubricators and Filters listings see pages 505-550.

2 PC. HVLP SPRAY GUN KIT



High-volume, low-pressure spray guns offer exceptional transfer efficiency. Feature stainless steel needle and fluid tip for use with waterborne materials. Regulator maintains and regulates air pressure. Versatile cleaning kit can be used with all types of paint thinners and solvents. Meets EPA Rule 40 CFR Part 63.

BK **776-3760**

Contents

Qty.	Item No.	Description
1	—	Cleaning Kit, Spray Gun
1	*BK* **776-3768**	Regulator/Gauge, Diaphragm
1	*BK* **776-3759**	Spray Gun, HVLP Touch-Up
1	*BK* **776-3758**	Spray Gun & Cup, HVLP Gravity-Feed

Specifications

Item No.:	*BK* **776-3759**	*BK* **776-3758**	*BK* **776-3768**
Air Inlet:	1/4" NPT	1/4" NPT	1/4" NPT
Avg. Air Consumption:	8 CFM	14.5 CFM	—
Cup Size:	100 ml	600 ml	—
Fluid Delivery:	25 ml/Min.	100-200 ml/Min.	—
Fluid Orifice:	0.8mm	1.4 mm	—
Gauge Range:	—	—	0-180 PSI
Air Inlet Pressure:	30-43 PSI	43 PSI	—
Nozzle Pressure:	10 PSI	10 PSI	—

EVERCRAFT™

HVLP GRAVITY-FEED SPRAY GUN & CUP



High-volume, low-pressure design offers exceptional transfer efficiency. Features wide fan pattern for maximum coverage. Stainless steel needle and fluid tip for use with waterborne materials. Meets EPA Rule 40 CFR Part 63.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....14.5 CFM
Cup Size: .....600 mL
Fluid Delivery: .....100-200 mL/Min.
Fluid Orifice:.....1.4mm
Max. Air Inlet Pressure: ..... .43 PSI
Nozzle Pressure: ..... 10 PSI

BK **776-3758**

HVLP TOUCH-UP SPRAY GUN & CUP



High-volume, low-pressure design offers exceptional transfer efficiency. Features stainless steel needle and fluid tip for use with waterborne materials. Meets EPA Rule 40 CFR Part 63.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....8 CFM
Cup Size: .....100 ml
Fluid Delivery: ..... 75 mL/Min.
Fluid Orifice:.....0.8mm
Air Inlet Pressure:..... 30-43 PSI
Nozzle Pressure: .....10 PSI

BK **776-3759**

FULL-SIZE SIPHON-FEED SPRAY GUN & CUP



Ideal for standard and high-fill primer applications. Features precision spray pattern adjustment for fine finishes. Can be used with lacquer- and enamel-based paints.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: .....12.5 CFM
Cup Size: .....1,000 mL
Fluid Orifice:.....1.8mm
Max. Air Inlet Pressure: ..... 50 PSI
Nozzle Pressure: ..... 25-36 PSI

BK **776-3703**

TOUCH-UP SPRAY GUN & CUP



Ideally suited for use in tight spaces, such as door jambs, dashboards, and engine compartments. Features overhead trigger for superior control and adjustable spray pattern for fine finishes. Can be used with lacquer- and enamel-based paints.

Specifications

Air Inlet: .....1/4" NPT
Avg. Air Consumption: ..... 10 CFM
Cup Size: ..... 200 mL
Fluid Orifice:..... 1.5mm
Max. Air Inlet Pressure: ..... 50 PSI
Nozzle Pressure: .....23-28 PSI

BK **776-3702**



3M™ ACCUSPRAY™ SPRAY GUN MODEL HG14 KIT,1.4 MM

Accuspray™ technology with a 1.4mm atomizing head for applications requiring the use of a 1.4mm atomizing head.
Like all Accuspray™ System guns, the HG14 kit delivers the equivalent of a new spray gun — whenever you want one — for a fraction of the cost. Accuspray™ Spray Guns perform like a premium spray gun, without the premium price.
The kit contains 1 spray gun, 3 atomizing heads and an airflow control valve. The HG14 is designed to help improve technician productivity and minimize clean up time. The HG14 has the added benefit of performing like a new spray gun every time the atomizing head is replaced.
MMM **16577**



3M™ ACCUSPRAY™ HG14 ATOMIZING HEADS, 1.4MM

Replaceable atomizing heads for use with the 3M™ Spray Gun Model HG14
MMM **16612**



3M™ ACCUSPRAY™ SPRAY GUN KIT HGP

An HVLP gravity pressurized spray gun, to be used with a pressurized H/O cup system to provide superior application of high viscosity coatings.
Kit contains 1 each HGP spray gun and 4 atomizing heads - 2 each 1.8mm nozzles and 2 each 2.0mm. *MMM* **16121** Pressure cup sold separately.
MMM **16587**
See 3MCollision.com for use and products that fit this system



3M™ ACCUSPRAY™ SPRAY GUN SYSTEM WITH STANDARD PPS™

All inclusive spraying solution providing the equivalent of multiple brand new spray guns on demand, for a fraction of the cost. The innovative Accuspray replaceable atomizing head spray gun eliminates spray gun maintenance kits and the replaceable transparent atomizing heads allow the user to visually confirmation the spray gun is clean. Accuspray maximizes the benefits of the PPS system.
Kit contains: 1 each Accuspray ONE Spray Gun with color indicator rings, 4 Accuspray atomizing heads in sizes 1.4 and 1.8mm, an airflow control valve, 5 each liners and lids (1 each w/ 125 micron filter, 4 each w/ 200 micron filter), 1 each standard size 22oz PPS hard cup and retaining ring, 1 mixing/measuring insert and an Instruction manual.
MMM **16580** 4 per case

3M™ ACCUSPRAY™ SPRAY GUN - MODEL HG18 PRIMER GUN

Another great product brought to you by the same people who brought you the 3M™ PPS™ System. Introducing the 3M™ Accuspray™ System, the equivalent of having a brand new primer spray gun for a fraction of the cost. The innovative replaceable atomizing head allows for the following benefits:

Boosts Productivity
- Lowers primer spraying time
- Decreases primer sanding time
- Reduces clean-up

Reduces Primer Consumption
- Minimizes overspray

Maximizes Benefits of the 3M™ PPS™ System
- Reduces gun cleaning time
- Uses less solvent for clean up
- Decreases hazardous disposal cost
- Improves productivity and profitability



MMM **16570**

Technical Data

Weight: ..... 11.4 oz.
Nozzle Size: 1.8mm
Operating Pressure (Full Trigger): ..... 20 psi max
Operating Pressure (First Stage): ..... 30 psi max
Air Consumption: ..... 10 cfm

MMM **16570**



3M™ ACCUSPRAY™ ATOMIZING HEAD, 2.0 MM

Replaceable atomizing heads for use with the 3M™ Accuspray™ Spray system.
MMM **16609**



MMM **1658**



MMM **16585**

3M™ ACCUSPRAY™ ATOMIZING HEAD

The Accuspray™ System lets you get the finish of a premium spray gun at a fraction of the cost. Designed for those who demand the best and won't settle for less. Used with the 3M™ PPS™ Paint Preparation System, the Accuspray system reduces clean up time while increasing productivity.

Item No.	Description
MMM **16584**	Orange, 1.4mm, 1 atomizing heads per each, 10 each per case
MMM **16585**	Clear Transparent, 1.8mm, 1 atomizing heads per each, 10 each per case


MMM **16611**


MMM **16571**


MMM **16572**


MMM **16573**

Item No.	Description	Items/ Box	Boxes/ Case
MMM **16570**	3M™ Accuspray™ Spray Gun Model HG18	1	1
MMM **16611**	3M™ Accuspray™ Atomizing Head	4	6
MMM **16571**	3M™ Accuspray™ Fluid Needle	1	1
MMM **16572**	3M™ Accuspray™ HG09 Test Air Cap	1	1
MMM **16573**	3M™ Accuspray™ Air Flow Control Valve	1	1

18C-3R AIR REGULATOR



- Features 3 regulated outlets
- Air Inlet: ⅜" npsm (f)
- All Outlets: ¼" npsm (f)
- Capacity: 50 cfm

Item No.	Model	Description
SPR **1630**	18C-3R	Air Regulator
SPR **10015**	1-18-10X	Replacement Diaphragm

16C-MR MINI REGULATOR



- Small, lightweight unit attaches to any spray gun (including HVLP) for accurate pressure regulation
- A true diaphragm regulator
- Push-pull lock pressure setting
- Easy-to-read 0 to 160 psi Gauge
- Air inlet ¼" npsm(f)
- Air outlet swivel nut, ¼" npsm(f)
- Capacity: 22 cfm

Item No.	Model	Description
SPR **1410**	16C-MR	Mini Regulator

18C-500 AIR REGULATOR ASSEMBLY



- Features 3 regulated outlets
- Air inlet ⅜" npsm(f)
- Air outlet ¼" npsm(f) 3 outlets
- Capacity 50 cfm

Item No.	Model	Description
SPR **1640**	18C-500	Air Regulator Assembly
SPR **10015**	1-18-10X	Replacement Diaphragm

H.O.V HIGH OUTPUT VALVE



- Small, lightweight precision metering valve that attaches to any HVLP spray gun for precision pressure setting for that gun
- Easy-to-read from 0-160 psi gauge
- Fits all leading spray guns

Item No.	Model	Description
SPR **4410**	H.O.V.	HOV High Output Precision Air Valve

12AAV AIR ADJUSTING VALVE



- Precision tapered valve
- Start from closed to fully open in approximately 4 turns
- Infinitely adjustable
- Large, easy-to-handle knob
- Air Inlet ¼" npsm
- Air Outlets (swivel nut) ¼" npsm

Item No.	Model	Description
SPR **1010**	12AAV	Air Adjusting Valve

24AAV AIR ADJUSTING VALVE WITH GAUGE



- Precision tapered air adjusting valve with heavy-duty pressure gauge reading up to 160 psi
- Start from closed to fully open in approximately 4 turns infinitely adjustable
- Large, easy-to-handle knob
- Use on HVLP spray guns
- Air Inlet ¼" npsf
- Air Outlets (swivel nut) ¼" npsf

Item No.	Model	Description
SPR **2210**	24AAV	Air adjusting valve with gauge

SHARPE The Spray Gun People

36AAV-HV HIGH VOLUME AIR ADJUSTING VALVE



- Especially designed for HVLP, high volume air adjusting valve
- Includes pressure gauge that reads up to 160 psi
- Air Inlet 1/4" npsm
- Air Outlets (swivel nut) 1/4" npsm

Item No.	Model	Description
SPR **3310**	36AAV	High Volume Air Adjusting Valve

SHARPE The Spray Gun People

F2 DISPOSABLE IN-LINE FILTERS



- Disposable filter removes contaminants such as moisture and oil that condense in the air hose between wall mounted filter and spray gun
- Reduces paint defects
- Easy installation

Item No.	Model	Description
SPR **8100**	F-2	Disposable Filter Blister Pack (Card of 2)
SPR **8125**	F-2	Disposable Filter Dispenser (Jar of 25)

SHARPE The Spray Gun People

HIGH VOLUME HOSE CONNECTORS

Item No.	Description
SPR **8310**	High Volume 1/4" Female Quick Coupler
SPR **8320**	High Volume 1/4" Male Quick Coupler
SPR **8330**	Quick Connect 1/4" Female
SPR **8340**	Quick Connect 1/4" Male



SPR **8310**



SPR **8320**



SPR **8330**



SPR **8340**

SHARPE The Spray Gun People

HOSE ASSEMBLIES (WITH REUSABLE CONNECTORS)

Not Illustrated

Item No.	Description	ID, in.	Connectors, In.
SPR **7110**	6' Air Hose	5/16	1/4 npsm(f)
SPR **7120**	6' Fluid Hose	1/4	3/8 npsm(f)
SPR **7130**	6' Hose Kit for 2-Quart Pressure Cup (*SPR* **7004**) Includes: 1 ea. *SPR* **7110** and *SPR* **7120**	—	
SPR **7210**	25' Air Hose	3/8	1/4 npsm(f)
SPR **7220**	25' Fluid Hose	3/8	3/8 npsm(f)
SPR **7230**	35' Air Hose w/Couplers	3/8	1/4 npsm(f)



EVERCRAFT

AIR BRUSH SPRAY KIT

Offers precise spray control for fine detail work. Also ideal for shading or gradual fading. Can be used with everything from automotive paints to water-based inks.

Specifications

Air Inlet: ..... 1/8" NPT
Cup Size: ..... 7 mL
Fluid Orifice: 0.3mm
Working Pressure: ..... 15-30 PSI

NOTE: 1/8" Air hose needed for operation can be purchased at a local hardware store.

BK **776-3761**

EVERCRAFT

SPRAY GUN CLEANING BRUSH KIT



Brushes can be used with all types of paint thinners and spray gun cleaning solvents.

Contents

- Small Loop-Handle Brush (2.8" length) cleans small holes in & around gun
- Medium Loop-Handle Brush (6" length) cleans inner holes on gun & cup
- Large Loop-Handle Brush (8" length) cleans inner holes
- Large Top-Loop Brush is ideal for surface cleaning
- Needle Rod cleans inner hole (1mm) on spray gun
- Straight-Handle Brush cleans surface & small crevices on gun or outside cup
- Toothpicks for punching out stubborn dirt or old paint
- Cosmoline holder not included

CAUTION: Always wear safety goggles during use.

BK **776-0250**

MOTOR GUARD

COMPRESSED AIR FILTER



Remote mount filter, similar in construction and operation to filter *BK* **770-3526**, but with 1/4" NPT ports. Ensures clean air for spray painting and air tool protection.

BK **770-3525** Air Filter
BK **770-3527** Filter Element

MOTOR GUARD

COMPRESSED AIR FILTER



Highly-efficient oil and water removal filter for the ultra filtration of compressed air. Designed for direct, in-line installation on rigid air lines.
Inlet/Outlet: 1/2" NPT. Maximum pressure: 125 psi.

BK **770-3526** Air Filter
BK **770-3527** Filter Element

MOTOR GUARD

FILTER ELEMENT

Highly-efficient replacement element for *BK* **770-3525**.

BK **770-3527**



MOTOR GUARD

SPRAY GUN FILTER

Attaches directly to air inlet on paint spray guns, eliminating paint failures caused by moisture or oil aerosols. Required for HVLP and high-pressure spray guns. 1/4 in. NPS (F) x 1/4 in. NPT (M) ports.

BK **770-3528**



SURFACE THERMOMETER

Dual magnet mount surface thermometers are specifically designed to accommodate the automotive industry by accurately monitoring panel temperatures, establishing distance of cure lamps to ensure the proper panel temperature recommended by paint manufacturers and assist in calibration of infrared sensors.

BK **770-3786**



3M



MMM **16172**



MMM **16173**

3M™ PPS™ STARTER KITS

For automotive over the counter sales in auto-part stores and after-market service trucks sales.

Item No.	Contains
Starter Kits	
MMM **16172**	Standard Size (650mL, 22 fl. oz.) 6-Pack Lids & Liners; 1-Cup & Collar (with 125 micron filters) ; 1-generic Mix Ratio insert; 1-bag of Sealing Plugs
MMM **16372**	Standard Size (650mL, 22 fl. oz.) 6-Pack Lids & Liners; 1-Cup & Collar (with 125 micron filters) ; 1-generic Mix Ratio insert; 1-bag of Sealing Plugs
MMM **16182**	Large Size (850mL, 28 fl. oz.): 6-Pack Lids & Liners; 1-Cup & Collar (with 200 micron filters); 1-generic Mix Ratio insert; 1-bag of Sealing Plugs
MMM **16382**	Large Size (850mL, 28 fl. oz.) 6-Pack Lids & Liners; 1-Cup & Collar (with 125 micron filters) ; 1-generic Mix Ratio insert; 1-bag of Sealing Plugs
Starter Refill Paks	
MMM **16173**	Standard Size (650mL, 22 fl. oz.) 12-Pack Lids & Liners (with 200 micron filters) & 1-bag of Sealing Plugs.
MMM **16373**	Standard Size (650mL, 22 fl. oz.) 12-Pack Lids & Liners (with 125 micron filters) & 1-bag of Sealing Plugs.
MMM **16183**	Large Size (850mL, 28 fl. oz.) 12-Pack Lids & Liners (with 200 micron filters) & 1-bag of Sealing Plugs.
MMM **16383**	Large Size (850mL, 28 fl. oz.) 12-Pack Lids & Liners (with 125 micron filters) & 1-bag of Sealing Plugs.

3M

3M™ PPS™ TYPE H/O MINI PRESSURE CUP, 6 OZ. (177 ML)

MMM **16121**



3M

3M™ PPS™ PAINT PREPARATION SYSTEM MINI CUP KIT

MMM **16113** 1 per case

Kit includes

Qty.	Description
2	*MMM* **16115** cups and collars
50	*MMM* **16114** lids and liners
20	Plugs
2	Inserts
1	Dispenser



3M



MMM **16000**



MMM **16114**



MMM **16024**

3M™ PPS™ PAINT PREPARATION SYSTEM LIDS & LINERS

Contains lids, filters, liners and sealing caps.

Item No.	Size	Items/Box	Boxes/Case
MMM **16000**	Standard	50	1
MMM **16114**	Mini	50	1
MMM **16024**	Large	25	1
MMM **16028**	Micro kit contains: 50 lids with 200 micron filters, 50 liners, and 20 sealing plugs.		
MMM **16112**	Midi kit contains 50 lids with 200 micron filters, 50 liners and 20 sealing plugs.		

3M



MMM **16001**



MMM **16115**



MMM **16023**

3M™ PPS™ PAINT PREPARATION SYSTEM MIXING CUPS & COLLARS

Cups that incorporate collars.

Item No.	Size	Items/Box	Boxes/Case
MMM **16001**	Standard	2	4
MMM **16115**	Mini	2	4
MMM **16122**	Midi	—	4
MMM **16023**	Large	1	4

3M

3M™ PPS™ PAINT PREPARATION SYSTEM STANDARD/LARGE LINER DISPENSER

MMM **16019** 1 per case



3M

3M™ PPS™ PAINT PREPARATION SYSTEM STANDARD/LARGE LID DISPENSER

MMM **16099** 1 per case



3M

3M™ DETAILING SQUEEZE BOTTLE

Wash bottle for cleaning Paint Preparation System.

MMM **37720** 24 per case



3M



3M™ PPS™ PAINT PREPARATION SYSTEM MYLAR FILM INSERTS

Item No.	Size	Paint Company Specific Inserts	Inserts/ Box	Boxes/ Case
MMM **16065**	Regular	Generic	100	1
MMM **16066**	Mini	Generic	50	1
MMM **16091**	Large	Generic	100	1

SHARPE The Spray Gun People

SPRAY GUN BRUSH KIT

- Professional Brush Kit effectively cleans any model spray gun including HVLP
- Includes one Model *SPR* **8255** Spray Gun Lube

SPR **8260**



SHARPE The Spray Gun People

SPRAY GUN LUBE (PACK OF 6)

- Keep your spray gun operating smoothly
- Compatible with all paint materials
- Convenient and easy-to-use applicator
- Silicone free

SPR **8255**



prevost

REGULAR AIR HOSE COUPLERS

These lightweight and compact quick couplers attach at the pneumatic tool. Made of non-scratch acetal composite with exceptional hardness, the smooth body prevents snagging and accidental disconnection. The circuit cannot be opened without inserting the plug. These couplers utilize an O-ring design that is leak-tight when used with a Prevost plug (adapter). The internal spring is made of stainless steel

- Composite Body
- Temperature range: +5°F to 158°F



NPT **61-1238** *NPT* **61-1240** *NPT* **61-1236** *NPT* **61-1234**

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1238**	Coupler 1/4" FNPT ARO 210 profile	Blue Body/ Gold Button	Type B	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 25 SCFM
NPT **61-1240**	Coupler 1/4" FNPT High Flow profile	Blue Body/ Green Button	Type V or HVLP	At pneumatic tool & spray painting	3/8" Body Size	174 PSI	2.8 oz.	DP 10 PSI/ 36 SCFM
NPT **61-1236**	Coupler 1/4" FNPT Automotive Truflate profile	Blue Body/ Red Button	Type C	At pneumatic tool	1/4" Body Size	174 PSI	2.43 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1234**	Coupler 1/4" FNPT Industrial profile	Blue Body/ Silver Button	Type D (ISO 6150B)	At pneumatic tool	1/4" Body Size	174 PSI	2.50 oz.	DP 10 PSI/ 32 SCFM

prevost

SAFETY AIR HOSE COUPLERS

The easiest and quickest safety couplers on the global market. Used at the air source (wall) or at the pneumatic tool, the PS1 safety coupler uses the compressed air on the side of the coupling to sustain the first locking phase. Only when the downstream air is purged will it automatically click to the 2nd phase and release the plug (adapter). This ISO 4414 safety coupler avoids all risk of dangerous hose-whip or accidental disconnection. These couplers initiate a controlled, automatic venting and disconnection with a simple push of a button.

- Leak-free/energy-saving connections
- Resists scratching, impact, abrasion and corrosion
- Lightweight, rugged, anti-static composite
- Intuitive push-button design
- Ergonomic shape
- Color-coded
- Composite Body
- Temperature range: +5°F to 158°F



NPT **61-1239** *NPT* **61-1241** *NPT* **61-1237** *NPT* **61-1235**

Item No.	Description	Color	Profile	Use	ID Passage	Pressure	Weight	Air Flow @ 100 PSI
NPT **61-1239**	1/4" FNPT ARO 210 profile	Black Body/Yellow Button	Type B	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 32 SCFM
NPT **61-1241**	1/4" FNPT High Flow profile	Black Body/Green Button	Type V or HVLP	At air source or pneumatic tool & spray painting	3/8" Body Size	174 PSI	4.50 oz.	DP 10 PSI/ 73 SCFM
NPT **61-1237**	1/4" FNPT Automotive Truflate profile	Black Body/Red Button	Type C	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.75 oz.	DP 10 PSI/ 34 SCFM
NPT **61-1235**	1/4" FNPT Industrial profile	Black Body/Blue Button	Type D (ISO 6150B)	At air source or pneumatic tool	1/4" Body Size	174 PSI	3.50 oz.	DP 10 PSI/ 34 SCFM

prevost

PUSH-TO-CONNECT PLUGS

- 3-Pack.
- Max. Pressure: 174 PSI



Item No.	Type	NPT Size	Hex Size	Overall Length	
Industrial Type D					
NPT **61-1243**	Male	1/4"			Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Industrial profile
NPT **61-1244**	Female	1/4"			
ARO 210 or Type B Profile					
NPT **61-1261**	Female	1/4"	17mm	40mm	Quick coupler. Abrasion resistant treated steel construction. Made with close tolerances for leak-free connections. ARO 210 profile.
NPT **61-1263**	Male	1/4"	14mm	41mm	
Truflate Type C					
NPT **61-1249**	Male	1/4"	14mm	48mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Truflate profile.
NPT **61-1251**	Female	1/4"	17mm	40mm	
7.2 – 7.4 High Flow or HVLP Profile					
NPT **61-1254**	Female	1/4"	17mm	40mm	Quick coupler comes with PTFE tape pre-installed on threads. Made with close tolerances for leak-free connections. Abrasion resistant treated steel construction. Truflate profile.
NPT **61-1256**	Male	1/4"	14mm	39mm	

Lisle

ROUND CROSS CHISEL HAMMER

Chisel End

Excellent for finishing. Cross peen used for working in sharp corners around moldings and for caulking.

SER **3715**

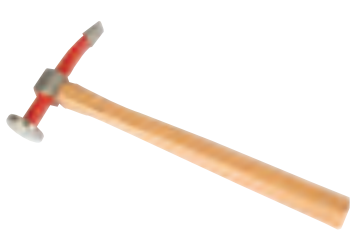


Lisle

CURVED CROSS CHISEL HAMMER

Excellent for finishing. Cross peen used for working in sharp corners around moldings and for caulking. Well balanced curved chisel for work in close places.

SER **3716**

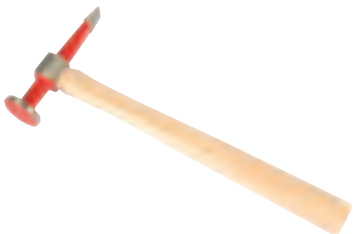


NAPA ServiceTools

CROSS CHISEL SHRINKING HAMMER
Flat Chisel End

Cross grooved. Extra wide faces used for large surfaces. Chisel end used on sharp corners.

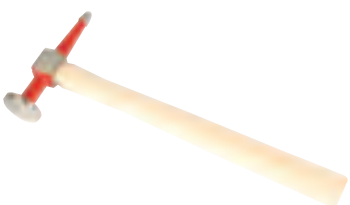
SER **3717**



UTILITY PICK HAMMER

Blunt point, short reach. For low spots in high-crown panels and other work with small clearance.

SER **3718**



HEAVY-DUTY BUMPING HAMMER

For heavy gauge truck fenders and panels. Also used in straightening reinforcements, braces, etc.

SER **3719**



SHRINKING HAMMER

For work in close quarters. Expertly machined serration on the square side.

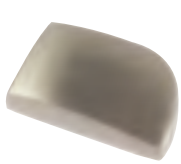
SER **3720**



TOE DOLLY

Thinness and length provide easy accessibility to narrow pockets. Large, flat face is frequently used in shrinking and dinging flat panels. The flat sides furnish a convenient anvil for repairing flanges.

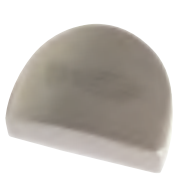
SER **3722**



HEEL DOLLY

Design makes it possible to reach easily into sharp corners and wide radii. These features are exclusive to the Heel Dolly and continue it's high demand.

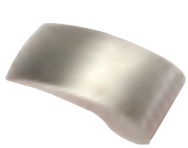
SER **3723**



WEDGE DOLLY

Long, slender general purpose dolly. Widely favored by many body repairmen for all-around use. The long, thin lip is very useful in working behind reinforcements.

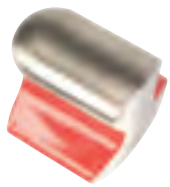
SER **3725**



GENERAL-PURPOSE DOLLY

Provides convenient and comfortable hand hold during heaviest blows. Weight, balance and several differently crowned working faces, together with two beading and flange lips, give this dolly broad general use.

SER **3724**



BODY REPAIR DOLLY

Dinging spoon is designed for dinging ridges smooth and level when held against ridge and struck with hammer. Tool spreads the blow over a large area preventing damage to finish. Not designed for prying.

SER **3726**





ADJUSTABLE & FLEXIBLE FILE HOLDERS

Permits use of files to 14". Handle adjustable for both right and left hand use for working close to offset or panels. Permit flexing either way to maximum point of safety against breakage.

Item No.	Description
SER **3728**	Adjustable & Flexible File Holder
SER **3728-74**	Replacement Steel Plate
SER **3728-72**	Eight tooth flat body file

2 PC. HOG RING PLIERS SET

Used for upholstery work on most all Domestic and Foreign cars.

- 45° Hog Ring Pliers
- Straight Hog Ring Pliers
- For installation of "Hog Ring" fasteners
- Specially made to grip and mold Hog Rings for closure
- Spring loaded to hold Hog Ring in jaws during use
- Cushion grip handle.

SER **3702**



STRAIGHT HOG RING PLIERS

Used for upholstery work on most all Domestic and Foreign cars

- Specially made to grip and mold Hog Rings for closure
- Spring loaded to hold Hog Ring in jaws during use
- Cushion grip handle

SER **3703**





45-DEGREE HOG RING PLIERS





Used for upholstery work on most all Domestic and Foreign cars.

- 45° for added access
- Specially made to grip and mold Hog Rings for closure.
- Spring loaded to hold hog ring in jaws during use.
- Cushion grip handle.

SER **3704**

3 PC. HEAVY-DUTY HOOK & PICK SET



The set includes part numbers *SER* **3470**, *SER* **3474** and *SER* **3475**. The tools included are ideal for use anywhere a hook/removal tool, spring removal tool or a sharp punch is required. All three tools feature corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3476**

HEAVY-DUTY SPRING HOOK TOOL



Ideal for use in hooking and removing springs. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3474**

HEAVY-DUTY HOOK & COTTER PIN PULLER



This heavy-duty tool is ideal for use anywhere a hook/removal tool is required. The unique tip angle is especially useful for removing cotter pins. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3470**

HEAVY-DUTY SCRATCH AWL



This heavy-duty tool is ideal for aligning parts or anywhere a sharp punch is needed. The tool features corrosion resistant zinc plating and a high visibility orange robust handle.

SER **3475**

7 PC. HOOK & PICK SET

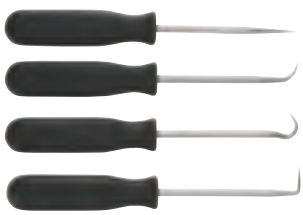


This kit combines both small and large picks to do a wide range of jobs around the vehicle from seals to cotter pin removal, cleaning and other jobs.

SER **3708**

EVERCRAFT™

4 PC. HOOK & PICK SET



Use these chrome vanadium, alloy steel tools to pull oil seals, O-rings, cotter pins and much more. Set includes: straight point, curved hook, combination tip and 90° tip.

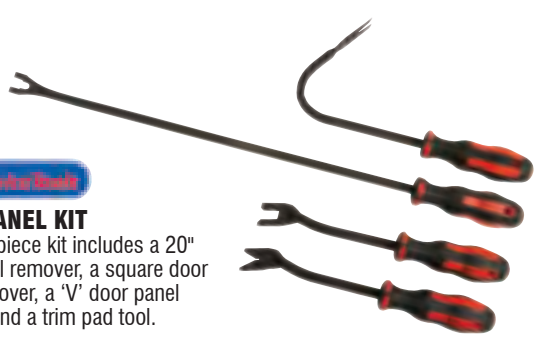
BK **776-9057**



11 PC. PANEL REMOVER SET

Constructed of durable, impact-resistant nylon that will not damage the non-metal interior trim surfaces. Packaged in a canvas pouch that rests flat on a dashboard or fender for easy access to tools and then folds up with tools inside for storage. Kit has multiple applications such as trim strips, panels, wheel caps, bezels, liners, shrouds and fascia.

SER **118**



DOOR PANEL KIT

This four-piece kit includes a 20" door panel remover, a square door panel remover, a 'V' door panel remover and a trim pad tool.

SER **3989**



20 IN. DOOR PANEL REMOVAL TOOL
SER **3989-01**

EVERCRAFT
TRIM REMOVAL TOOL SET
Set contains five unique tools for removing internal and external trim and molding fasteners. Anti marring design prevents damage to vehicle paint, upholstery, chrome or finish.
BK **776-8046**



EVERCRAFT
TRIM REMOVAL TOOL
For panel seam cleanup, molding removal, wiper mounts, door trim installation, weather strip clip removal, trim pad removal, headlight springs, windshield molding clip release, and door clip removal. Features comfort grip handle.
BK **776-8049**



3 PC. BODY TRIM SET
Set contains selection of the most popular door, handle and trim tools covering a wide range of service applications, which allow you to get the job done faster. Trim tools feature the new heavy-duty handle design.
SER **3786**



DOOR PAD TRIM TOOL
Unique square grooved notch easily slips under plastic trim clips to pop with minimal damage to panels.
SER **3786-71**



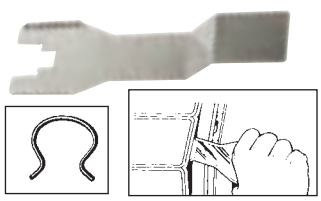
DOOR PANEL REMOVER
Special notch easily slips under fasteners. Bent shank provides additional leverage to easily remove difficult trim fasteners without damage.
SER **3786-73**



DOOR PANEL REMOVER
Clip remover helps remove door handle and window crank clips on GM, Ford and others using common "C" type clip.
SER **3786-72**



DOOR HANDLE & WINDOW LIFT REMOVER
Compresses the door handle spring clip far enough so that the handle can be removed while the spring clip remains on the handle. Use tool's reverse end to disengage clip holding door upholstery panels. Fits GM, Ford and other cars using type of clip shown.
SER **431**



EVERCRAFT
DOOR HANDLE & WINDOW CRANK CLIP TOOL
Works on GM, Ford and others using the common "C" type clip. Helps prevent damage to door panel upholstery. Opposite end firmly holds clip for easy installation.
BK **776-9177**







TRIM PAD REMOVING TOOL
Tool reaches behind trim panel on GM and other cars. It grips plastic fastener and removes trim without damage.
SER **2822**

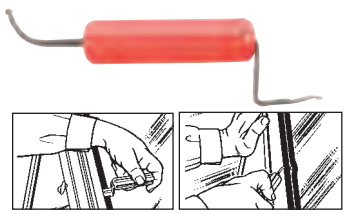
EVERCRAFT
DOOR UPHOLSTERY TOOL
Removes panels without marring upholstery.
BK **776-9160**



WINDOW MOLDING REMOVER
Removes window molding clips on GM, Ford and AMC vehicles. Place jaw flat against glass. Locate clips and roll them out with tip, keeping jaw flat to glass.
SER **2038**



WINDOW MOLDING REMOVER



Removes clips and spreads rubber gasket on Chrysler windows. Rounded point spreads zipper-type gaskets.

SER **2037**

JIGGLER™ WINDSHIELD/ REAR WINDOW REVEAL MOLDING TOOL



BK **770-3819**

Great for use in body and glass shops! Removes all adhesive and rear window reveal moldings, saving both time and money. Double-sided tool allows easy engagement of molding clips. Heat-treated, spring steel construction.

BK **770-3819** GM
BK **770-3820** Ford

EVERCRAFT™ WINDOWSHIELD REMOVAL TOOL



Removes bonded windshields. Cuts sealant with specialty designed and tempered steel blade.

BK **776-9159**

EVERCRAFT™ 8 IN. DOOR HANDLE PLIERS



Removes door handles, window clips and windshield moldings on most import and domestic cars. Offset handle permits easy access.

BK **776-9036**

WINDSHIELD CUT-OUT WIRE



Braided design provides the fastest cutting action possible. Quickly slices through urethane and silicone windshield adhesives. Each braided helix acts as a cutting saw tooth. Golden stainless steel. Length: 72 ft.

BK **770-3814**

EVERCRAFT™ 2 PC. PLASTIC CHISEL SET



Non-marring material to remove trim and molding without damage to paint surfaces. Chisels can be re-sharpened with a file. Sizes: 1" and 1½".

BK **776-9247**

MAGNA-SPOT STUD WELDER KIT

The ultimate dent removal tool! Redesigned, low-heat transformer for is perfect for use on high-strength steel, uni-body cars. Magna-Spot's light touch allows for the quick removal or shrinking of awkward dents, as well as the replacement of body trim studs without the time-consuming, inefficient drilling of holes. UL-approved components, cannot overload, and has easy and fast changes of electrodes. Comes in molded case.

Specifications

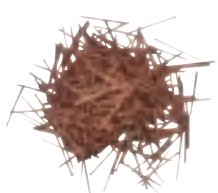
Electrical Rating: 120V 1ø 15A*
Nominal Welding Current:..... 1500A
Duty Cycle: ... 2%, 1 Sec. On, 60/Hr.
Magna Slide Hammer®:..... Deluxe
Magna Clamp®:.....Standard
Magna T-Puller®:.....Standard
Magna Rivet Puller®: .....Optional
Magna Claw®:.....Optional
Draw Pin:.....Standard
Trim Rivet: .....Standard
Extension:.....Optional
Round Washer:.....Optional
Magna Wire®: .....Standard
Shrinking: .....Standard
Draw Pin 2.0mm:..... Pk./250
Draw Pin 2.5mm:..... Pk./250
Trim Rivet: Pk./150
Round Washer:.....Optional
Magna Wire® 16 Ga.: .....Optional
Magna Wire® 12 Ga.: .....Optional
Case:.....Molded Carry
Shipping Weight::.....28 lbs.

**** Denotes single phase***



BK **821-5468** Stud Welder Kit
BK **770-3532** Replacement Rivets (Bag of 500)

MAGNA DRAW PINS



Rugged steel, copper-coated pins deliver a pull that exceeds shop requirements, yet they are soft enough for close-in pulls, or easy flexing and grinding. Fits all welders, and also for use with Stud Welder (*BK* **821-5468**). 500 per bag.

BK **770-3533** 2.0 mm
BK **770-3534** 2.5 mm

MAGNA CLAMP

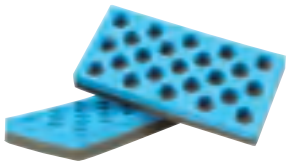


Heat-treated, hardened steel clamp features wing nut tightening, making your job fast and easy. For use with Stud Welder (*BK* **821-5468**).

BK **770-3535**

MOTOR GUARD

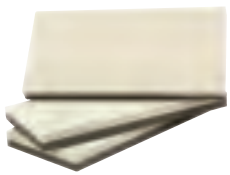
SANDING BLOCK



Two blocks in one! Rugged, semi-rigid, and versatile sanding block designed for flat-to-medium curved surfaces. Aggressive side utilizes extremely durable material, coupled with strategic hole configuration, which enhances the abrasive action by providing multiple cutting edges. Back side provides rigidity and a comfortable, easy-to-hold surface for use on less aggressive applications that require more flexibility. Sands areas where ordinary hard blocks are not adequate.

BK **770-3538**

MAGNA SOFT SANDING BLOCK



Utilizes two different densities of flexible, resilient material to achieve the ultimate in block sanding on curved or irregular shaped surfaces. Dense side is for more aggressive sanding, such as blocking primer prior to top coating, or feathering small paint imperfections. Soft side is for nib sanding, or color sanding finished coats prior to polishing.

BK **770-3537**

marson

V-3 PNEUMATIC AIR RIVET TOOL



Sets 1/8" - 3/16" diameter rivets in all materials. Works with stand, blind, Klik-Lock™ and other structural blind rivets, as well as T-/Klik-Split® rivets. Ideal for light- to medium-duty use in body/customization shops and farm applications, as well as building truck bodies. Pulling Force: 1,983 lbs. Stroke: 0.551". Recommended Airline Pressure: 85-95 PSI. Weight: 3.2 lbs.

BK **770-4561**

marson

V-4 PNEUMATIC AIR RIVET TOOL



Sets 3/32" - 1/4" diameter rivets in all materials. Works with stand, blind, Klik-Lock™ and other structural blind rivets, as well as T-/Klik-Split® rivets. Designed for continuous use on heavy-duty applications. Ideal for use in body/customization shops and farm applications, as well as building truck bodies. Pulling Force: 3,055 lbs. Stroke: 0.562". Recommended Airline Pressure: 85-95 PSI. Weight: 4.2 lbs.

BK **770-4562**

marson

HEAVY-DUTY AIR-POWERED RIVET TOOL



Allows the operator to set 3/16" - 1/4" diameter rivets in all alloys. With special nosepieces, this tool can also set 3/16" and 1/4" monobolts and 1/4" T-rivets. Designed with adjustable jaw case, and includes 3/16" and 1/4" standard nosepieces, service tools, swivel inlet air coupler, and plastic bottle for collecting spent mandrels. Weight: 4 lbs. PSI: 85-95.

BK **770-4537**

marson

AIR-POWERED RIVET TOOL



Allows operator to set 1/8"-,5/32"- and 3/16" rivets in all materials, except 3/16" stainless steel. Includes 1/8" and 3/16" standard nosepieces, service wrenches, and spent mandrel bottle. Do not use with 1/4" standard nosepiece. Weight: 3 1/2 lbs. PSI: 85.

BK **770-2701**

marson

HAND RIVET TOOL KIT



Designed for heavy-duty use, and ideal for auto body shops, garages, and home operations. Sets all rivets by changing nosepiece only.

BK **770-2705**

Contents

Qty.	Item No.	Description
1	*BK* **770-2702**	Rivet Tool
50	*BK* **770-2755**	Rivets 1/8"
50	*BK* **770-2757**	Rivets 1/8"
50	*BK* **770-2758**	Rivets 1/8"
25	*BK* **770-2760**	Rivets 1/8"
25	*BK* **770-2830**	Rivets 3/16"

marson



PROFESSIONAL RIVET TOOL

Features a 360°, bi-rotational ratcheting head with positive-lock rotation, which keeps the head of the tool from turning while setting rivets in any one of 40 plus positions. Includes four interchangeable nosepieces for setting rivets from 3/32" - 3/16" inches and 2.4 to 4.8mm.

BK **770-4534**



HEAVY-DUTY HAND RIVET TOOL

Heavy-duty, two-piece jaws feature an improved design. Longer nose provides a longer, deeper reach for some late model grille and trailer building applications. Long handles and gear system reduce operator fatigue. Specially designed to set 3/16" and 1/4" rivets as well as split-type rivets. Also easily sets 1/8" and 5/32" sizes. Includes 3/16", 1/4", and split rivet nosepiece. Extra nosepieces store in body.

BK **770-2700** Hand Rivet Tool
BK **770-2779** Nosepiece Adapter Kit - Extends 2 1/2"

HAND RIVET TOOL



Heavy-duty construction features patented bearing design and comfortable no-slip grip. Includes 3/32", 1/8", 5/32", and 3/16" nosepieces, and service tool. Sets 3/16" steel rivets.

BK **770-2702**

CONSUMER RIVET TOOL



Designed for the occasional user. Sets all rivets from 3/32" to 3/16" and 2.4 to 4.8mm. Includes four interchangeable nosepieces, service wrench, and locking tab.

BK **770-4535**

PLASTIC RIVET SETTER KIT



Includes plastic rivet setter and one package each of *BK* **770-2867**, *BK* **770-2869**, *BK* **770-2870**, and *BK* **770-2871** plastic rivets. Reclosable carton provides convenient storage for both the rivets and the tool.

BK **770-2865**

PLASTIC RIVET SETTER



Delivers the extra-long pulling stroke needed to set plastic rivets. Features all-steel construction and full-size handles for smooth, easy operation.

BK **770-2864**

HAND RIVET TOOL NOSEPIECES

Item No.	Description
BK **770-2716**	Standard - 1/8" Rivet
BK **770-2717**	Standard - 3/16" Rivet
BK **770-2718**	Standard - 3/32" Rivet
BK **770-2719**	Standard - 5/32" Rivet
BK **770-2728**	Recessed - 1" Trim Molding



BK **770-2716**



BK **770-2717**

CLIP RIVET ACCESSORIES

Item No.	Description
BK **770-9611**	Jaws
BK **770-9612**	Handle
BK **770-9613**	Collect Case
BK **770-9614**	Jaw Pusher
BK **770-9615**	Jaw Pusher Spring
BK **770-9616**	Retaining Nut
BK **770-9621**	Torsion Pin
BK **770-9620**	Retaining Spring
BK **770-9622**	Fulcrum Pin Assembly



BK **770-9613**

BK **770-9612**

METRIC POLY-NUT THREAD SETTER™ KIT



Contains thread-setter tool in a molded, plastic case with 4, 5, 6, and 8mm mandrels and nosepieces, wrench, and instructions.

BK **770-1889**

Contents

Qty.	Item No.	Description
25	*BK* **770-1896**	4mm Poly Nuts
25	*BK* **770-1897**	5mm Poly Nuts
15	*BK* **770-1898**	6mm Poly Nuts
10	*BK* **770-1899**	8mm Poly Nuts
1	*BK* **770-2876**	Thread Setter Tool
75	—	Assorted Klik™ Poly Nuts

THREAD SETTER™ KIT



Includes *BK* **770-2876** tool, an assortment of 50 Klik™ Poly-Nut inserts (8-32, 10-24, 10-32, 1/4-20 and 5/16-18 threads), and all required mandrels and nosepieces to set. Kit comes in heavy-duty, molded case.

BK **770-2875**



PROFESSIONAL THREAD SETTER TOOL

Heavy duty tool will install 1/4"-20 Rivet-Nuts, Klik Poly Nuts & Thread-Inserts in aluminum or steel. Capable of installing size, 5/16"-18, 3/8-16", 10-24/32, 5 mm, 6 mm, 8 mm & 10 mm size with adapters (not included); 1/4"-20 mandrel and nosepiece (included).

BK **770-4536**



THREAD SETTER™ TOOL

One-hand tool with the rated capacity to set from 6-32 to 3/8-16 aluminum inserts, 6-32 to 1/4-20 steel inserts, and 8-32 to /-18 Klik™ poly-nut inserts. Provides better versatility for installing a great range of sizes. Competitive systems require larger tools, or more than one tool to do the same job. Quickly installs Klik™ poly nuts, and other threaded inserts, into sheet metal from one side of the work. Parts and accessories can be installed with strong machine screws or bolts instead of sheet metal screws. Eliminates problem of stripped and pulled-out threads, while supplying the convenience, reusability, and strength of nuts and bolts. Perfect for automotive, farm, and plant jobs. Features right-hand, thread-adjusting system, which is instantly familiar to users. See below for accessories.

Item No.	Description
BK **770-2876**	Thread Setter™ Tool
BK **770-9745**	Nosepiece Tool
BK **770-9748**	Setter Body
BK **770-9749**	Collect Case
BK **770-9750**	Adjustable Nut w/Lock Screw



BK **770-2892**



BK **770-2893**

NAPA® KLIK™ POLY NUT REFILLS

Designed for installation and repair work. Plated steel construction with extra-wide grip range allows for use in virtually all sheet metal applications with just one insert per thread size. Flush mount head eliminates space between pieces left by conventional inserts. Provides an exact fit in holes drilled by common fractional bits. For automotive use only.

Specifications

Thread	Grip Range	Drill	Qty.	Nut Item No.	Mandrel Item No.	Nosepiece Item No.
6-32	0.020-0.080	1/4"	50	*BK* **770-2890**	*BK* **770-2892**	—
8-32	0.020-0.080	1/4"	50	*BK* **770-2877**	*BK* **770-2882**	*BK* **770-2887**
4mm	0.020-0.080	1/4"	50	*BK* **770-1896**	*BK* **770-1890**	*BK* **770-1895**
10-24	0.020-0.130	9/32"	50	*BK* **770-2878**	*BK* **770-2883**	*BK* **770-2888**
10-32	0.020-0.130	9/32"	50	*BK* **770-2879**	*BK* **770-2884**	*BK* **770-2888**
5mm	0.020-0.130	9/32"	50	*BK* **770-1897**	*BK* **770-1891**	*BK* **770-1894**
3/8"-16	0.030-0.165	1/2"	20	*BK* **770-2891**	*BK* **770-2893**	—
1/4"-20	0.030-0.165	3/8"	40	*BK* **770-2880**	*BK* **770-2885**	—
6mm	0.030-0.165	3/8"	40	*BK* **770-1898**	*BK* **770-1892**	—
5/16"-18	0.030-0.165	1/2"	25	*BK* **770-2881**	*BK* **770-2886**	—
8mm	0.030-0.165	1/2"	25	*BK* **770-1899**	*BK* **770-1893**	—

THE SLUGGER™ HEAVY-DUTY SLIDE HAMMER

The most complete set available, and perfectly designed for the body tech's toughest repairs! Ten-pound hammer, designed for in-line torque, is balanced for continuous use without fatigue. Special hand-fit weight and rubberized hand-hold provide good grip, safety, and ease while you work. Dual hammer action enables reverse or direct reconstruction blows. Includes ten of the latest, most progressively engineered body pulling attachments. Quick assembly for applied hook-ups on: Fender edges, bumper ends, rocker panels, aligning doors and door edges, hoods and hood hinges, trunk and trunk hinges, headlights, and many more applications. All parts easily stored on permanent board.

BK **770-3802**





BK **821-3917** *BK* **821-7027**

SILVER SLAPPER™ 8-WAY SLIDE HAMMER SET

For two- or three-way internal/external jobs. Pulls flange-type rear axles, stubborn oil seals and bearings, and other press-fit parts. Contains: Slide hammer w/5 lb. hammer, rear axle pulling attachment, three-way cross-head, cone, two-way cross-block, puller hook attachment, (3) pulling jaws for internal/external pulling jobs, grip wrench adapter w/single lead (wrench not included), and dent puller attachment. Also available in handy storage case.

BK **821-3917** Slide Hammer Set
BK **821-7027** Slide Hammer Set w/Storage Case



THE SLUGGER™ W/TOOL BOX

An assortment of the most widely used Slugger parts packed in a handy metal tool box which can be locked for security.

BK **770-3803**



ECONOMY SLUGGER™ TOOL SET
Basic set of the most popular Slugger hooks comes in a carton without board or metal box. Perfect set for new body technicians at significant savings. Additional Slugger parts can be added to the set as needed.

BK **770-3801**



MID-WEIGHT DENT PULLER & SLIDE HAMMER
Offers perfect balance between a five-pound, hand-fitted weight and a precisely engineered and solid 5/8" shaft. Exclusive softly cushioned vinyl grip, with a finger-molded, handy hole for hanging. Broached hex nose cone locks screws firmly in place. The body tech hook, fabricated of heavy-duty aircraft quality steel, pulls out curled or creased edges and panels. Also assists with hood and trunk hinge alignments. Extra-long, heavy-duty screw puller and steel nose cone.

BK **770-3804**



JUNIOR SLUGGER™ DENT PULLER & SLIDE HAMMER
The finest shop-engineered, heavy-duty shock hammer! Extra-heavy duty dent puller features soft hanging handle for easy storage and shock cushioning. Special wide, aircraft steel body tech hook for pulls on curls and creases in quarter, rocker, back, and door panels. Includes L-hook, nose cone, two jam nuts, and two standard pull screws. Designed for the professional body shop technician.

BK **770-3806**



BODY DENT REMOVER
Pulls dented sheet metal back into place. To use, drill a hole in the deepest part of the dent, insert the hook or self-threading screw tip and tap lightly with the 2 1/2-lb slide hammer to remove the dent. 13"-long shaft enables high pulling force. Slide hammer shaft has a 1/2-13 UNC thread. Handle Length: 3.75".

SER **2290** Body Dent Remover
SER **2290-76** Replacement Nose Nut



SLIDE HAMMER
Polished steel bar with sure-grip, rubber handle guarantees positive pulling action. Slide made of cast iron. Collet is heat-treated, tool steel for maximum grip and extended life.

BK **770-3531**



DELUXE 6 IN. DENT PULLER
Puller easily pops dented hoods, doors and fenders into place. 6"-diameter suction disc with steel handle and steel support plates enables strong pull. It works on nearly every dent where the sheet metal has not been creased. Lift edge to release suction. Puller also functions as a glass holder.

SER **2761**



T-PULLER
Compact tool for small damage repair and use on lightweight metal to reduce over-pull. For use with Stud Welder (*BK* **821-5468**).

BK **770-3536**



PAINTLESS DENT REMOVER SYSTEM
Affordable—a fraction of the price of current PDR sets. Easy to master—Training DVD included. Patented stainless steel solid rod construction with EDM lockable swivel tips. A breakthrough in PDR technology. 13 interchangeable stainless and plastic tips - swivel head action. Replaces hundred plus obsolete PDF tools. Magnetic reflector board included. Add a PDR profit center to any automotive repair center. You don't have to be a body tech to do PDR work.

BK **813-5009**



THE HOOKER
For removing body clips, moldings, and windshield seals. May also be used as a cotter pin extractor and spring puller. Saves radiator hoses.

BK **770-3840**



DOOR SPRING TOOL
For removing/installing door hinge springs on all late model GM cars. Make a difficult task easy with the best value tool available. May also be used with 1/2" open-end or ratcheting box-end wrenches.

BK **770-3818**



STUBBY BODY PANEL 1/8 IN. DRILL BITS
Made of high-speed steel for sheet metal. 135° split points for fast drilling without center punching. Available with single or double end. Packed in hang-up plastic display vial. 10 Double.

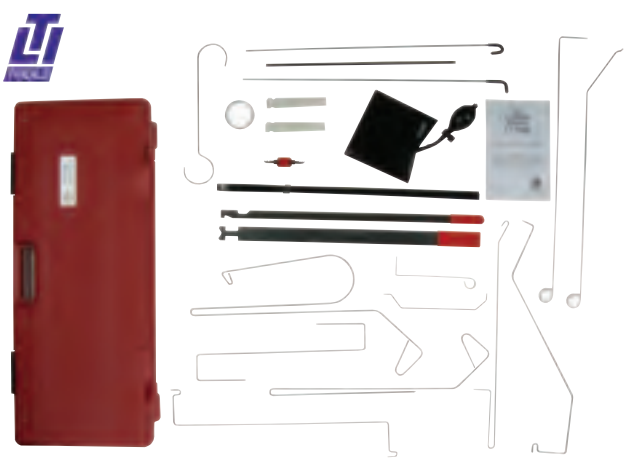
BK **770-3849**



BK **770-3848**

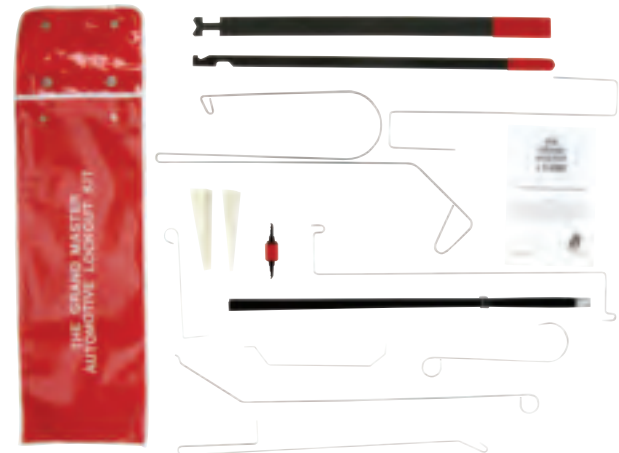
ROTARY SPOT WELD 3/8 IN. CUTTER
Quickly removes spot welds holding sheet metal. Also cuts small access holes in sheet metal. Double-ended, 3/8" blade and 1/4" arbor with retractable pilot. When one side of blade becomes dull, unused sharp teeth can be assembled into cutting position. Blades interchange with other spot weld arbors. Arbor fits all 1/4" drills.

BK **770-3841** Cutter
BK **770-3842** 3 Replacement Blades



MASTER AUTOMOTIVE LOCKOUT KIT
Contains the following tools: Mini-Pro-Flashlight, Window Door Wedge, S-Hook, Lock Tech Tool, Slim Jim, Door Jack, Slide Jim, Long Jim, Plastic Slip Jim, Chrysler Tool, Trip Jim, Porsche/Vent Tool, Corvette Jim, Peg Leg Tool, Big Jim, Gas Cap Pick Tool, and Instruction Manual. Comes in plastic carrying case.

BK **735-1975**



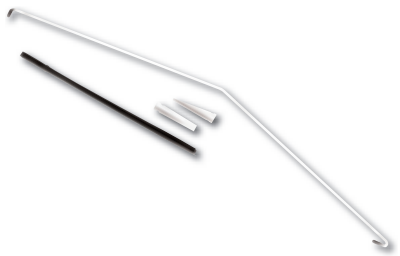
AUTOMOTIVE LOCKOUT KIT
Unlocks 95% of domestic/foreign cars and trucks. Detailed instruction manual eliminates costly door linkage damage. Kit includes: Universal Easy Jim for older domestic/foreign locks. Big Jim, the heavy-duty model of Universal Easy Jim for older model cars; S-Hook for many foreign/domestic cars with lift buttons. Trip Jim for late model Dodge/Ford vans and pickup trucks with interlocking window sash channel that prevent door unlocking tools from entering window. Also works on hard-to-open AMC/BMW/Chrysler/Datsun/Ford/GM/Honda/Mercedes/Nissan/Porsche/Renault/Saab/Toyota/Volkswagen/Volvo vehicles. Slide Jim unlocks GM cars with sliding door locks. Also works on: Camaro/Celebrity/Century/Ciera/Firebird/Pontiac 6000. Formed from hard-drawn, heavy-duty, nickel-plated wire. Corvette Jim for model years 1983-68 is specially-designed from hardened flat wire for Corvette sliding arm door locks. Lock Tech Tool opens late model Beretta/ Corsica, and others with high-tech locking systems. Door Wedge separates window from door panel and increases maneuverability and speed of door opening tools. Plastic Slip Jim easily slides into car through rubber stripping to unlock all lift buttons. Gas Cap Pick Tool works like a lock pick and unlocks many factory/aftermarket locking gas caps. Inspection flashlight for easy door linkage inspection (two AAA batteries provided). Kit comes in heavy-duty, vinyl case.

BK **735-1144**



2 PC. EASY ACCESS DOOR UNLOCKING KIT
A two-piece easy access tool that collapses for simple storage. It is 53" long with a rigid design for easy, through-the-window reach. Allows you to open the vehicle with the door handle, lock button or electric lock switch. This kit also includes plastic slim jim and two plastic door wedges.

BK **735-1286**



EASY ACCESS DOOR UNLOCKING KIT
Easily opens most vehicles on the road today without entering the door panel. This kit includes a 54" fluorescent green easy access door unlocking tool, two plastic door wedges, plastic slim jim and comes packaged in a custom Kraft cardboard box.
BK **735-1280**

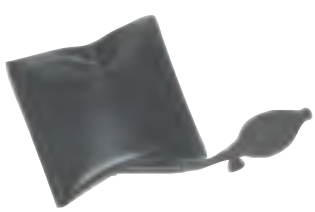


EASY ACCESS DOOR UNLOCKING SYSTEM
Easily opens most vehicles on the road today without entering the door panel. This kit includes a 54" fluorescent green easy access door-unlocking tool, two plastic door wedges, plastic slip jim and Inflate-A-Wedge. Comes packaged in a custom Kraft cardboard box.
BK **735-1281**



2 PC. EASY ACCESS & INFLATE-A-WEDGE DOOR UNLOCKING KIT
A two-piece easy access tool that collapses for simple storage. It is 53" long with a rigid design for easy, through-the-window reach. Allows you to open the vehicle with the door handle, lock button or electric lock switch. This kit also includes plastic slip jim and two plastic door wedges and one Inflate-A-Wedge.
BK **735-1290**

INFLATE-A-WEDGE SEPARATOR
The unique Inflate-A-Wedge allows you to safely separate the door frame from the vehicle body to insert a tool and unlock a vehicle.
BK **735-1291**



SELF-LOCKING DOOR WEDGE


Door wedge has wash board/wave ripple surface to allow for easy entry and positioning between the door and rubber strip. The rippled wave-like surface securely locks the wedge in place making it almost impossible to slide out. This tool makes a great addition to a technician's lock out tool kit, and is also a great aid when completing window regulator replacement to hold glass securely in position during use. Material is polypropylene.
BK **700-2563**



DOOR HINGE ADJUSTER
Capable of adjusting the alignment of doors with bolted or welded hinges. Features excellent grip, leverage and universal pin adapter for large and small door latches.
SER **3985**



DOOR ALIGNER
Spring hinges deep or shallow for perfect door alignment every time. For all front and rear door hinges, trunks, and lids. Knurled, non-slip surface.
BK **770-3815**



PNEUMATIC PANEL CRIMPER
For patching sheet metal panels uniformly and quickly. Forms a step around the area to be repaired. Patch is placed on flange of step, flush with original panel surface. Full grip handle provided for safety. A necessary tool for the professional body technician. Length: 7 inches.
BK **770-3824**

EVERCRAFT™



FORD HEADLIGHT ADJUSTING TOOL
Use to adjust the aerodynamic-style headlights found on late model Ford, Mercury, and Lincoln vehicles. 4mm hex head.
BK **776-9035**

3M™ PPS™ SUN GUN™ II DIFFUSER

The 3M™ PPS™ SUN GUN™ II Diffuser is used with the 3M™ PPS™ SUN GUN™ II Color Matching Light Kit, part number *MMM* **16550**. It is not compatible with earlier versions of the 3M™ SUN GUN™. Improves light quality and distribution.

MMM **16552** 4 per case

3M™ PPS™ SUN GUN™ II BEZEL KIT



The 3M™ PPS™ SUN GUN™ II Bezel Kit is used with the 3M™ PPS™ SUN GUN™ II Color Matching Light Kit, part number *MMM* **16550**. It is compatible with earlier versions of the 3M™ SUN GUN™ part number *MMM* **16400**. Kit contains the front and rear bezel assembly for replacement of damaged bezels.

MMM **16553** 5 per case

3M™ PPS™ SUN GUN™ II BATTERY PACK



Recommended replacement battery for 3M™ PPS™ SUN GUN™ Color-Matching Light.

MMM **16555** 1 per case

3M™ PPS™ SUN GUN™ II BATTERY CHARGER



The battery charger includes a power supply and cord.

MMM **16556** 1 per case

3M™ HEADLIGHT LENS REPAIR KIT



Four step process that restores the clarity of yellowed, hazed, or dull headlight lenses. Kit contains sanding discs and polishing pad with compound. For use with a drill.

MMM **39008** Without Masking Tape
MMM **39014** With Masking Tape



3M™ HEADLIGHT LENS RESTORATION SYSTEM

Easy, Fast & Effective

This system is a fast and easy way to restore the clarity back to headlight lenses that have become dull or cloudy over time. It was designed with the professional in mind to maximize productivity and performance. In many cases, this kit can be paid for in as little as 10 jobs. Use the 3M™ Headlight Lens Restoration System to increase your profitability and customer satisfaction.

Contents

Item No.	Description	Discs/Pads Per Box	Boxes Per Case
MMM **02087**	Trizact™ Hookit™ Foam Discs, 3", P3000	15	4
MMM **02091**	Trizact™ Hookit™ Blending Disc, 3", P1000	5	4
MMM **05726**	Perfect-It™ Foam Polishing Pad, 3"	2	6
MMM **05759**	Perfect-It™ Foam Buffing Pad, 3"	2	6
MMM **05771**	Hookit™ Soft Interface Pad, 3"	1	10
MMM **20427**	Clean Sanding Disc Pad Kit, 3" x 1/2" x 5/16"	1	5
MMM **28353**	Random Orbital Sander, Pistol Grip, 3", 1/8" orbit	1	1
MMM **28354**	Buffer, Pistol Grip, 3"	1	1
MMM **30260**	Purple Clean Sanding Hookit™ Disc, 3", P800	50	4
MMM **30272**	Purple Clean Sanding Hookit™ Disc, 3", P500	50	4
MMM **39060**	Perfect-It™ Rubbing Compound	16 fl oz.	6
MMM **39061**	Perfect-It™ Machine Polish	16 fl oz.	6

Item No.	Description	Case Qty.
MMM **02516**	Headlight Lens Restoration System	1

Symtech provides the solution to your mechanical kit problem! All systems are easy to maintain, and require no adapters or suction cups. SCA-1, CVA-3 EZ, and HBA-5 are tested by Intertec Testing Services, and AMECA-approved laboratory and found to exceed the SAE Standards J599 Lighting Inspection Code, and J600 Headlamp Aiming Testing Machines. Check with local officials for approved units in your area. All of our systems can align all of the past, present and what we understand as the future of forward lighting systems. This includes high beam, low beam and fog/auxiliary lighting for both foreign and domestic automobiles.

Features Include
- Field Calibrateable
- Laser Floor Slope Measurement
- Horizontal positioning window/mirror
- Accurate and repeatable measurements
- Portable - No dedicated service bay required!

ISO Technology



COLOR HEADLAMP ALIGNMENT SYSTEM

Inexpensive, portable, and easy-to-use. Innovative - Voted Top 20 Tool by Motor Magazine. Features ISO Color Technology, adjustable height and laser floor slope adjustment. Adjustments made faster and more accurate with Symtech's unique ISO technology. To use, simply align BCA-4 to vehicle by sighting through the sighting unit and rotating optical head until line in sighting unit intersects the two common points selected. While viewing aim screen, adjust headlamp to position that appears as graphic illustration of headlamp pattern. Not approved for safety inspection.

BK **397-1050**



COLOR HEADLAMP ALIGNMENT SYSTEM

Built for the busiest shops, the CVA3-EZ has all the features of the SCA-1 in a heavy-duty package. Precision-engineered Fresnel lens allows technicians to view headlamps as they appear at 25 ft. Unique "Visual Assist" meter signals tech when alignment is complete. Approved for safety inspection.

BK **397-1048**



COLOR HEADLAMP ALIGNMENT SYSTEM

Unique ISO Color Technology defines the "High Intensity Zone" for fast and precise alignments every time. No more staring at a "white spot", searching for the High Intensity Zone; the SCA-1 uses color to pinpoint perfect alignment every time. Approved for safety inspection.

BK **397-1049**



ELECTRONIC HEADLAMP ALIGNMENT SYSTEM

Fully-electronic photosensor-based technology for precise results every time. Red Light/Green Light programming mode eliminates guesswork making this the most user-friendly system available. Includes 8 ft. floor guidance track. Battery powered, no cords, and features a rechargeable, replaceable battery pack. Optional printer available. Approved for safety inspection in Maryland and Virginia.

BK **397-1046**



Model No.	*BK* 397-1050	*BK* 397-1049	*BK* 397-1048	*BK* 397-1046
Height	61"	61"	68"	68"
Width	22"	22"	26"	26"
Depth	21"	21"	27"	27"
Weight	39 lbs.	41 lbs.	74 lbs.	89 lbs.
Power	Passive	Passive	Passive	9.6V Rechargeable


Challenger Lifts
NAPA
BRAKE SERVICE

DECIMAL EQUIVALENTS OF MILLIMETER, FRACTIONAL AND NUMBER DRILL SIZES

1mm = 0.03937 in.
1 cm = 0.3937 in.
1 dm = 3.937 in.
1 m = 39.37 in.
1 in. = 25.4 mm

1 foot = 0.3048 m
1 yd. = 0.9144 m
1 sq. in. = 6.452 sq. cm
1 sq. ft. = 929 sq. cm
1 sq. yd. = 0.8361 sq. m

1 sq. cm = 0.155 sq.in.
1 sq. dm = 15.5 sq. in.
1 sq. m = 1.196 sq. yd.
1 oz. = 31.1035 grams

1 lb. = 373.24 grams
1 qt. = 0.9463 liters (liquid)
1 gal. = 3.7853 liters (liquid)
1 liter = 1.0567 liquid qt.

Millimeter	Dec. Equiv.	Fractional	Number	Millimeter	Dec. Equiv.	Fractional	Number	Millimeter	Dec. Equiv.	Fractional	Number	Millimeter	Dec. Equiv.	Fractional	Number	Millimeter	Dec. Equiv.	Fractional	Number
.1	.0039			1.75	.0689			....	.1570		22	6.8	.2677			10.72	.4219	27/64	....
.15	.0059			....	.0700		50	4.0	.1575			6.9	.2716			11.0	.4330		
.2	.0079			1.8	.0709			....	.1590		21	....	.2720	I		11.11	.4375	7/16	....
.25	.0098			1.85	.0728			....	.1610		20	7.0	.2756			11.5	.4528		
.3	.0118			....	.0730		49	4.1	.1614			....	.2770	J		11.51	.4531	29/64	....
....	.0135		80	1.9	.0748			4.2	.1654			7.1	.2795			11.91	.4687	15/32	....
.35	.0138			....	.0760		48	....	.1660		19	....	.2811		K	12.0	.4724		
....	.0145		79	1.95	.0767			4.25	.1673			7.14	.2812	9/32	....	12.30	.4843	31/64	....
.39	.0156	1/64	....	1.98	.0781	5/64	....	4.3	.1693			7.2	.2835			12.5	.4921		
.4	.0157			....	.0785		47	....	.1695		18	7.25	.2854			12.7	.5000	1/2	....
....	.0160		78	2.0	.0787			4.37	.1719	11/64	....	7.3	.2874			13.0	.5118		
.45	.0177			2.05	.0807			....	.1730		17	....	.2900		L	13.10	.5156	33/64	....
....	.0180		77	....	.0810		46	4.4	.1732			7.4	.2913			13.49	.5312	17/32	....
.5	.0197			....	.0820		45	....	.1770		16	....	.2950		M	13.5	.5315		
....	.0200		76	2.1	.0827			4.5	.1771			7.5	.2953			13.89	.5469	35/64	....
....	.0210		75	2.15	.0846			....	.1800		15	7.54	.2968	19/64	....	14.0	.5512		
.55	.0217			....	.0860		44	4.6	.1811			7.6	.2992			14.29	.5625	9/16	....
....	.0225		74	2.2	.0866			....	.1820		14	....	.3020		N	14.5	.5709		
.6	.0236			2.25	.0885			4.7	.1850		13	7.7	.3031			14.68	.5781	37/64	....
....	.0240		73	....	.0890		43	4.75	.1870			7.75	.3051			15.0	.5906		
....	.0250		72	2.3	.0905			4.76	.1875	3/16	....	7.8	.3071			15.08	.5937	19/32	....
.65	.0256			2.35	.0925			4.8	.1890		12	7.9	.3110			15.48	.6094	39/64	....
....	.0260		71	....	.0935		42	....	.1910		11	7.94	.3125	5/16	....	15.5	.6102		
....	.0280		70	2.38	.0937	3/32	....	4.9	.1929			8.0	.3150			15.88	.6250	5/8	....
.7	.0286			2.4	.0945			....	.1935		10	....	.3160	O		16.0	.6299		
....	.0292	69		....	.0960		41	....	.1960		9	8.1	.3189			16.27	.6406	41/64	....
.75	.0295			2.45	.0964			5.0	.1968			8.2	.3228			16.5	.6496		
....	.0310		68	....	.0980		40	....	.1990	8		....	.3230		P	16.67	.6562	21/32	....
.79	.0312	1/32	....	2.5	.0984			5.1	.2008			8.25	.3248			17.0	.6693		
.8	.0315			....	.0995		39	....	.2010	7		8.3	.3268			17.06	.6719	43/64	....
....	.0320		67	....	.1015		38	5.16	.2031	13/64	....	8.33	.3281	21/64	....	17.46	.6875	11/16	....
....	.0330		66	2.6	.1024			....	.2040		6	8.4	.3307			17.5	.6890		
.85	.0335			....	.1040		37	5.2	.2047			....	.3320		Q	17.86	.7031	45/64	....
....	.0350		65	2.7	.1063			....	.2055	5		8.5	.3346			18.0	.7087		
.9	.0354			....	.1065		36	5.25	.2067			8.6	.3386			18.26	.7187	23/32	....
....	.0360		64	2.75	.1082			5.3	.2086			....	.3390		R	18.5	.7283		
....	.0370		63	2.78	.1094	7/64	....	....	.2090		4	8.7	.3425			18.65	.7344	47/64	....
.95	.0374			....	.1100		35	5.4	.2126			8.73	.3437	11/32	....	19.0	.7480		
....	.0380		62	2.8	.1102			....	.2130	3		8.75	.3445			19.05	.7500	3/4	....
....	.0390		61	....	.1110		34	5.5	.2165			8.8	.3465			19.45	.7656	49/64	....
1.0	.0394			....	.1130		33	5.56	.2187	7/32	....	....	.3480		S	19.5	.7677		
....	.0400		60	2.9	.1141			5.6	.2205			8.9	.3504			19.84	.7812	25/32	....
....	.0410		59	....	.1160		32	....	.2210	2		9.0	.3543			20.0	.7874		
1.05	.0413			3.0	.1181			5.7	.2244			....	.3580		T	20.24	.7969	51/64	....
....	.0420		58	....	.1200		31	5.75	.2263			9.1	.3583			20.5	.8071		
....	.0430		57	3.1	.1220			....	.2280		1	9.13	.3594	23/64	....	20.64	.8125	13/16	....
1.1	.0433			3.18	.1250	1/8	....	5.8	.2283			9.2	.3622			21.0	.8268		
1.15	.0452			3.2	.1260			5.9	.2323			9.25	.3641			21.03	.8281	53/64	....
....	.0465		56	3.25	.1279			....	.2340		A	9.3	.3661			21.43	.8437	27/32	....
1.19	.0469	3/64	....	....	.1285		30	5.95	.2344	15/64	....	....	.3680		U	21.5	.8465		
1.2	.0472			3.3	.1299			6.0	.2362			9.4	.3701			21.83	.8594	55/64	....
1.25	.0492			3.4	.1338			....	.2380		B	9.5	.3740			22.0	.8661		
1.3	.0512			....	.1360		29	6.1	.2401			9.53	.3750	3/8	....	22.23	.8750	7/8	....
....	.0520		55	3.5	.1378			....	.2420	C		....	.3770		V	22.5	.8858		
1.35	.0531			....	.1405		28	6.2	.2441			9.6	.3780			22.62	.8906	57/64	....
....	.0550		54	3.57	.1406	9/64	....	6.25	.2460		D	9.7	.3819			23.0	.9055		
1.4	.0551			3.6	.1417			6.3	.2480			9.75	.3838			23.02	.9062	29/32	....
1.45	.0570			....	.1440		27	6.35	.2500	1/4	E	9.8	.3858			23.42	.9219	59/64	....
1.5	.0591			3.7	.1457			6.4	.2520			....	.3860		W	23.5	.9252		
....	.0595		53	....	.1470		26	6.5	.2559			9.9	.3898			23.81	.9375	15/16	....
1.55	.0610			3.75	.1476			....	.2570		F	9.92	.3906	25/64	....	24.0	.9449		
1.59	.0625	1/16	....	....	.1495		25	6.6	.2598			10.0	.3937			24.21	.9531	61/64	....
1.6	.0629			3.8	.1496			....	.2610	G		....	.3970		X	24.5	.9646		
....	.0635		52	....	.1520		24	6.7	.2638			....	.4040		Y	24.61	.9687	31/32	....
1.65	.0649			3.9	.1535			6.75	.2656	17/64	....	10.32	.4062	13/32	....	25.0	.9843		
1.7	.0669			....	.1540		23	6.75	.2657			....	.4130		Z	25.03	.9844	63/64	....
....	.0670		51	3.97	.1562	5/32	....	....	.2660	H		10.5	.4134			25.4	1.0000	1	....

STANDARD WRENCH SIZING CHARTS

Nominal opening sizes of Armstrong wrenches or sockets in inches to fit standard bolt heads, nuts and screw heads

Wrench or Socket Size		BOLTS - SCREWS								NUTS						
Across Flats	Decimal Equiv.	Square & Hex Bolts, Cap Screws & Square Hex Lag Screws	Heavy Hex Bolts & Screws	Hex Flange Screws	Tapping Screws	Hex Washer Head Tapping Screws	Hex Head Machine Screws	Hex Washer Head Machine Screws	Square Head Set Screws	Square Nuts& Heavy Square Nuts	Truck Heavy Hex & Square, Flat and Jam Nuts	Square Machine Screw Nut	Hex Nuts & Flat Cstle. Slotted & Ham Hex Nut	Hex Flange Nuts	Track Bolt Nuts	Size Hex Lock Nuts
1/8	0.1250	–	–	–	#1&2	#2&3	#1&2	#1&2	–	–	–	–	–	–	–	–
5/332	0.1562	–	–	–	–	–	–	–	–	–	–	#0&1	–	–	–	–
3/16	0.1875	–	–	–	#3,4,5	#3,4,5	#3,4,5	#3,4,5	#10	–	–	#2&3	–	–	–	–
1/4	0.2500	–	–	–	#6,7,8	#6,7,8	#6&8	#6&8	1/4	–	–	#4	–	–	–	#4
9/32	0.2812	#10	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5/16	0.3125	–	–	–	#10&12	#10&12	#10&12	#10&12	5/16	–	–	#5&6	–	#6	–	#6
11/32	0.3438	–	–	–	–	–	–	–	–	–	–	#8	–	#8	–	#8
3/8	0.3750	1/4	–	1/4	1/4	1/4	1/4	1/4	3/8	–	–	#10	–	#10	–	#10
7/16	0.4375	1/4	–	–	–	–	–	7/16	1/4	–	–	#12&14	1/4	#12&14	–	#12&14
1/2	0.5000	5/16	–	5/16	5/16	5/16	5/16	5/16	1/2	1/4	1/4	–	5/16	5/16	–	5/16
9/16	0.5625	3/8	–	3/8	3/8	3/8	3/8	3/8	9/16	5/16	5/16	5/16	3/8	3/8	–	3/8
5/8	0.6250	7/16	–	7/16	–	–	–	–	5/8	3/8	–	3/8	–	–	–	–
11/16	0.6875	–	–	–	–	–	–	–	–	3/8	3/8	–	7/16	7/16	–	7/16
3/4	0.7500	1/2	–	1/2	–	–	–	–	3/4	7/16	7/16	–	1/2	1/2	–	1/2
13/16	0.8125	9/16	–	9/16	–	–	–	–	–	1/2	–	–	–	–	–	–
7/8	0.8750	–	1/2	–	–	–	–	–	7/8	1/2	1/2	–	9/16	9/16	–	9/16
15/16	0.9375	3/8	–	5/8	–	–	–	–	–	–	9/16	–	5/8	5/8	–	5/8
1	1.0000	–	–	–	–	–	–	–	1	5/8	–	–	–	–	–	–
1 1/16	1.0625	–	5/8	–	–	–	–	–	–	5/8	5/8	–	–	–	–	–
1 1/8	1.1250	3/4	–	3/4	–	–	–	–	1 1/8	3/4	–	–	3/4	3/4	–	3/4
1 1/4	1.2500	–	3/4	–	–	–	–	–	1 1/4	3/4	3/4	–	–	–	3/4 & 13/16	–
1 5/16	1.3125	7/8	–	–	–	–	–	–	–	7/8	–	–	7/8	–	–	7/8
1 3/8	1.3750	–	–	–	–	–	–	–	1 3/8	–	–	–	–	–	–	–
1 7/16	1.4375	–	7/8	–	–	–	–	–	–	7/8	7/8	–	–	–	7/8	–
1 1/2	1.5000	1	–	–	–	–	–	–	1 1/2	1	–	–	1	–	15/16 & 1	1
1 5/8	1.6250	–	1	–	–	–	–	–	–	1	1	–	–	–	1 & 1 1/16	–
1 11/16	1.6875	1 1/8	–	–	–	–	–	–	–	1 1/8	–	–	1 1/2	–	1 1/8	1 1/8
1 13/16	1.8125	–	1 1/8	–	–	–	–	–	–	1 1/8	1 1/8	–	–	–	1 1/8	–
1 7/8	1.8750	1 1/4	–	–	–	–	–	–	–	1 1/4	-	–	1 1/4	–	–	1 1/4
2	2.0000	–	1 1/4	–	–	–	–	–	–	1 1/4	1 1/4	–	–	–	–	–
2 1/16	2.0625	1 3/8	–	–	–	–	–	–	–	1 3/8	–	–	1 3/8	–	–	1 3/8
2 3/16	2.1875	–	1 3/8	–	–	–	–	–	–	1 3/8	1 3/8	–	–	–	–	–
2 1/4	2.2500	1 1/2	–	–	–	–	–	–	–	1 1/2	–	–	1 1/2	–	–	1 1/2
2 3/8	2.3750	–	1 1/2	–	–	–	–	–	–	1 1/2	1 1/2	–	–	–	–	–
2 7/16	2.4375	1 5/8	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 9/16	2.5625	–	1 5/8	–	–	–	–	–	–	–	1 5/8	–	–	–	–	–
2 5/8	2.6250	1 3/4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
2 3/4	2.7500	–	1 3/4	–	–	–	–	–	–	–	1 3/4	–	–	–	–	–
2 13/16	2.1825	1 7/8	-	–	–	–	–	–	–	–	-	–	–	–	–	2
2 15/16	2.9375	–	1 7/8	–	–	–	–	–	–	–	1 7/8	–	–	–	–	–
3	3.0000	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3 1/8	3.1250	–	2	–	–	–	–	–	–	–	2	–	–	–	–	–
3 3/8	3.3750	2 1/4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3 1/2	3.5000	–	2 1/4	–	–	–	–	–	–	–	2 1/4	–	–	–	–	–
3 3/4	3.7500	2 1/2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
3 7/8	3.8750	–	2 1/2	–	–	–	–	–	–	–	2 1/2	–	–	–	–	–
4 1/8	4.1250	2 3/4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4 1/4	4.2500	–	2 3/4	–	–	–	–	–	–	–	2 3/4	–	–	–	–	–
4 1/2	4.5000	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4 5/8	4.6250	–	3	–	–	–	–	–	–	–	3	–	–	–	–	–
4 7/8	4.8750	3 1/4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5	5.0000	–	3 1/4	–	–	–	–	–	–	–	3 1/4	–	–	–	–	–
5 1/4	5.2500	3 1/2	–	–	–	–	–	–	–	–	3 1/2	–	–	–	–	–
5 3/8	5.3750	–	3 1/2	–	–	–	–	–	–	–	3 1/2	–	–	–	–	–
5 5/8	5.6250	3 3/4	–	–	–	–	–	–	–	–	3 3/4	–	–	–	–	–
5 3/4	5.7500	–	3 3/4	–	–	–	–	–	–	–	3 3/4	–	–	–	–	–
6	6.0000	4	–	–	–	–	–	–	–	–	4	–	–	–	–	–
6 1/8	6.1250	–	4	–	–	–	–	–	–	–	4	–	–	–	–	–
6 1/2	6.5000	–	4 1/4	–	–	–	–	–	–	–	–	–	–	–	–	–
6 7/8	6.8750	–	4 1/2	–	–	–	–	–	–	–	–	–	–	–	–	–
7 1/4	7.2500	–	4 3/4	–	–	–	–	–	–	–	–	–	–	–	–	–
7 5/8	7.6250	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–
8	8.0000	–	5 1/4	–	–	–	–	–	–	–	–	–	–	–	–	–
8 3/8	8.3750	–	5 1/2	–	–	–	–	–	–	–	–	–	–	–	–	–
8 3/4	8.7500	–	5 3/4	–	–	–	–	–	–	–	–	–	–	–	–	–
9 1/8	9.1250	–	6	–	–	–	–	–	–	–	–	–	–	–	–	–

METRIC WRENCH SIZING CHART

Nominal opening sizes of wrenches or sockets in millimeters to fit standard bolt heads, nuts and screw heads. Locate thread diameter of bolt, nut or screw in extreme left or right column. Then move across to box which has proper identification of bolt, nut or screw at top of vertical column. The size listed is the nominal opening size in millimeters of the wrenches and sockets that will fit. American Standards Association — ASA B18.2

BOLTS				NUTS				
Wrench or Socket Size Across Flats	Hex Bolts	Heavy Hex Bolts	Heavy Hex Structural Bolts	Hex Nuts Style 1	Hex Nuts Style 2	Slotted and Ham Hex Nuts	Heavy Hex Nuts	Wrench or Socket Size Across Flats
USE WRENCH OR SOCKET SIZE SHOWN BELOW				USE WRENCH OR SOCKET SIZE SHOWN BELOW				
3.20	—	—	—	M1.6 x 0.35	—	—	—	3.20
4.00	—	—	—	M2 x 0/4	—	—	—	4.00
5.00	—	—	—	M2.5 x 0.45	—	—	—	5.00
5.50	—	—	—	M3 x 0.5	M3 X 0.5	—	—	5.50
6.00	—	—	—	M3.5 x 0.6	M3.5 x 0.6	—	—	6.00
7.00	—	—	—	M4 x 0.7	M4 x 0.7	—	—	7.00
8.00	M5 x 0.8	—	—	M5 x 0. 8	M5 x 0. 8	M5 x 0. 8	—	8.00
10.00	M6 x 1	—	—	M6 x 1	M6 x 1	M6 x 1	—	10.00
13.00	M8 x 1.25	—	—	M8 x 1.25	M8 x 1.25	M8 x 1.25	—	13.00
15.00	M10 x 1.5	—	—	M10 x 1.5	M10 x 1.5	M10 x 1.5	—	15.00
16.00	M10 x 1.5	—	—	M10 x 1.5	M10 x 1.5	M10 x 1.5	—	16.00
18.00	M12 x 1.75	—	—	M12 x 1.75	M12 x 1.75	M12 x 1.75	—	18.00
21.00	M14 x 2	M12 x 1.75	—	M14 x 2	M14 x 2	M14 x 2	M12 x 1.75	21.00
24.00	M16 x 2	M14 x 2	—	M16 x 2	M16 x 2	M16 x 2	M14 x 2	24.00
27.00	—	M16 x 2	M16 x 2	—	—	—	M16 x 2	27.00
30.00	M20 x 2.5	—	—	M20 x 2.5	M20 x 2.5	M20 x 2.5	—	30.00
34.00	—	M20 x 2.5	M20 x 2.5	—	—	—	M20 x 2.5	34.00
36.00	M24 x 3	—	M22 x 2.5	M24 x 3	M24 x 3	M24 x 3	M22 x 2.5	36.00
41.00	—	M24 x 3	M24 x 3	—	—	—	M24 x 3	41.00
46.00	M30 x 3.5	—	M27 x 3	M30 x 3.5	M30 x 3.5	M30 x 3.5	M27 x 3	46.00
50.00	—	M30 x 3.5	M30 x 3.5	—	—	—	M30 x 3.5	50.00
55.00	M36 x 4	—	—	M36 x 4	M36 x 4	M36 x 4	—	55.00
60.00	—	M36 x 4	M36 x 4	—	M36 x 4	60.00	—	—
65.00	M42 x 4.5	—	—	—	—	—	—	65.00
70.00	—	—	—	—	—	—	M42 x 4.5	70.00
75.00	M48 x 5	—	—	—	—	—	—	75.00
80.00	—	—	—	—	—	—	M48 x 5	80.00
85.00	M56 x 5.5	—	—	—	—	—	—	85.00
90.00	—	—	—	—	—	—	M56 x 5.5	90.00
95.00	M64 x 6	—	—	—	—	—	—	95.00
100.00	—	—	—	—	—	—	M64 x 6	100.00
105.00	M72 x 6	—	—	—	—	—	—	105.00
110.00	—	—	—	—	—	—	M72 x 6	110.00
115.00	M80 x 6	—	—	—	—	—	—	115.00
120.00	—	—	—	—	—	—	M80 x 6	120.00
130.00	M90 x 6	—	—	—	—	—	—	130.00
135.00		—	—	—	—	—	M90 x 6	135.00
145.00	M100 x 6	—	—	—	—	—	—	145.00
150.00	—	—	—	—	—	—	M100 x 6	150.00

CONVERSION FROM MILLIMETERS TO INCHES

mm	inch	mm	inch	mm	inch
1	0.039 370 08	35	1.377 952 8	69	2.716 535 4
2	0.078 740 16	36	1.417 322 8	70	2.755 905 5
3	0.118 110 24	37	1.456 692 9	71	2.795 275 6
4	0.157 480 31	38	1.496 063 0	72	2.834 645 7
5	0.196 850 39	39	1.535 433 1	73	2.874 015 7
6	0.236 220 47	40	1.574 803 1	74	2.913 385 8
7	0.275 590 55	41	1.614 173 2	75	2.952 755 9
8	0.314 960 63	42	1.653 543 3	76	2.992 126 0
9	0.354 330 71	43	1.692 913 4	77	3.031 496 1
10	0.393 700 8	44	1.732 283 5	78	3.070 866 1
11	0.433 070 9	45	1.771 653 5	79	3.110 236 2
12	0.472 440 9	46	1.811 023 6	80	3.149 606 3
13	0.511 811 0	47	1.850 393 7	81	3.188 976 4
14	0.551 181 1	48	1.889 763 8	82	3.228 346 5
15	0.590 551 2	49	1.929 133 9	83	3.267 716 5
16	0.629 921 3	50	1.968 503 9	84	3.307 086 6
17	0.669 291 3	51	2.007 874 0	85	3.346 456 7
18	0.708 661 4	52	2.047 244 1	86	3.385 826 8
19	0.748 031 5	53	2.086 614 2	87	3.425 196 8
20	0.787 401 6	54	2.125 984 2	88	3.464 566 9
21	0.826 771 7	55	2.165 354 3	89	3.503 937 0
22	0.866 141 7	56	2.204 724 4	90	3.543 307 1
23	0.905 511 8	57	2.244 094 5	91	3.582 677 2
24	0.944 881 9	58	2.283 464 6	92	3.622 047 2
25	0.984 252 0	59	2.322 834 6	93	3.661 417 3
26	1.023 622 0	60	2.362 204 7	94	3.700 787 4
27	1.062 992 1	61	2.401 574 8	95	3.740 157 5
28	1.102 362 2	62	2.440 944 9	96	3.779 527 6
29	1.141 732 3	63	2.480 315 0	97	3.818 897 6
30	1.181 102 4	64	2.519 685 0	98	3.858 267 7
31	1.220 472 4	65	2.559 055 1	99	3.897 637 8
32	1.259 842 5	66	2.598 425 2	100	3.937 008
33	1.299 212 6	67	2.637 795 3		
34	1.338 582 7	68	2.677 165 4		

mm ÷ 25.4 = inch

NOTE: The table values for inches are rounded off.

CONVERSION FROM DECIMAL INCHES TO MILLIMETERS

inch	mm	inch	mm	inch	mm
1	25.4	35	889.0	69	1752.6
2	50.8	36	914.4	70	1778.0
3	76.2	37	939.8	71	1803.4
4	101.6	38	965.2	72	1828.8
5	127.0	39	990.6	73	1854.2
6	152.4	40	1016.0	74	1879.6
7	177.8	41	1041.4	75	1905.0
8	203.2	42	1066.8	76	1930.4
9	228.6	43	1092.2	77	1955.8
10	254.0	44	1117.6	78	1981.2
11	279.4	45	1143.0	79	2006.6
12	304.8	46	1168.4	80	2032.0
13	330.2	47	1193.8	81	2057.4
14	355.6	48	1219.2	82	2082.8
15	381.0	49	1244.6	83	2108.2
16	406.4	50	1270.0	84	2133.6
17	431.8	51	1295.4	85	2159.0
18	457.2	52	1320.8	86	2184.4
19	482.6	53	1346.2	87	2209.8
20	508.0	54	1371.6	88	2235.2
21	533.4	55	1397.0	89	2260.6
22	558.8	56	1422.4	90	2286.0
23	584.2	57	1447.8	91	2311.4
24	609.6	58	1473.2	92	2336.8
25	635.0	59	1498.6	93	2362.2
26	660.4	60	1524.0	94	2387.6
27	685.8	61	1549.4	95	2413.0
28	711.2	62	1574.8	96	2438.4
29	736.6	63	1600.2	97	2463.8
30	762.0	64	1625.6	98	2489.2
31	787.4	65	1651.0	99	2514.6
32	812.8	66	1676.4	100	2540.0
33	838.2	67	1701.8		
34	863.6	68	1727.2		

inch x 25.4 = mm

NOTE: All table values are exact.

CONVERSION FROM FRACTIONAL INCHES TO MILLIMETERS

inch		mm	inch		mm
1/64	0.015 625	0.396 875	33/64	0.515 625	13.096 875
1/32	0.031 250	0.793 750	17/32	0.531 250	13.493 750
3/64	0.046 875	1.190 625	35/64	0.546 875	13.890 625
1/16	0.062 500	1.587 500	9/16	0.562 500	14.287 500
5/64	0.078 125	1.984 375	37/64	0.578 125	14.684 375
3/32	0.093 750	2.381 250	19/32	0.593 750	15.081 250
7/64	0.109 375	2.778 125	39/64	0.609 375	15.478 125
1/8	0.125 000	3.175 000	5/8	0.625 000	15.875 000
9/64	0.140 625	3.571 875	41/64	0.640 625	16.271 875
5/32	0.156 250	3.968 750	21/32	0.656 250	16.668 750
11/64	0.171 875	4.365 625	43/64	0.671 875	17.065 625
3/16	0.187 500	4.762 500	11/16	0.687 500	17.462 500
13/64	0.203 125	5.159 375	45/64	0.703 125	17.859 375
7/32	0.218 750	5.556 250	23/32	0.718 750	18.256 250
15/64	0.234 375	5.953 125	47/64	0.734 375	18.653 125
1/4	0.250 000	6.350 000	3/4	0.750 000	19.050 000
17/64	0.265 625	6.746 875	49/64	0.765 625	19.446 875
9/32	0.281 250	7.143 750	25/32	0.781 250	19.843 750
19/64	0.296 875	7.540 625	51/64	0.796 875	20.240 625
5/16	0.312 500	7.937 500	13/16	0.812 500	20.637 500
21/64	0.328 125	8.334 375	53/64	0.828 125	21.034 375
11/32	0.343 750	8.731 250	27/32	0.843 750	21.431 250
23/64	0.359 375	9.128 125	55/64	0.859 375	21.828 125
3/8	0.375 000	9.525 000	7/8	0.875 000	22.225 000
25/64	0.390 625	9.921 875	57/64	0.890 625	22.621 875
13/32	0.406 250	10.318 750	29/32	0.906 250	23.018 750
27/64	0.421 875	10.715 625	59/64	0.921 875	23.415 625
7/16	0.437 500	11.112 500	15/16	0.937 500	23.812 500
29/64	0.453 125	11.509 375	61/64	0.953 125	24.209 375
15/32	0.468 750	11.906 250	31/32	0.968 750	24.606 250
31/64	0.484 375	12.303 125	63/64	0.984 375	25.003 125
1/2	0.500 000	12.700 000	1	1.000 000	25.400 000

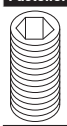
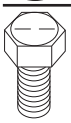
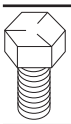
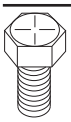
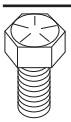
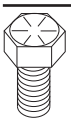
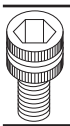
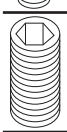
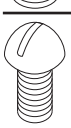
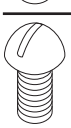
NOTE: All table values are exact.

CONVERSION FROM FT.-LBS. TO METER-KILOGRAMS

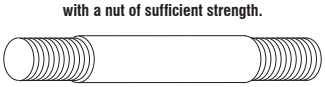
Ft. Lbs.	0 Mkgs	1 Mkgs	2 Mkgs	3 Mkgs	4 Mkgs	5 Mkgs	6 Mkgs	7 Mkgs	8 Mkgs	9 Mkgs
0	0	.14	.28	.42	.55	.69	.83	.97	1.11	1.25
10	1.38	1.52	1.66	1.80	1.94	2.07	2.21	2.35	2.49	2.63
20	2.77	2.90	3.04	3.18	3.32	3.46	3.60	3.73	3.87	4.01
30	4.15	4.29	4.43	4.56	4.70	4.84	4.98	5.12	5.26	5.39
40	5.53	5.67	5.81	5.95	6.09	6.22	6.36	6.50	6.64	6.78
50	6.92	7.05	7.19	7.33	7.47	7.61	7.75	7.88	8.02	8.16
60	8.30	8.44	8.57	8.71	8.85	8.90	9.13	9.27	9.40	9.54
70	9.68	9.82	9.96	10.09	10.23	10.37	10.51	10.65	10.79	10.92
80	11.01	11.20	11.34	11.48	11.62	11.75	11.89	12.03	12.17	12.31
90	12.45	12.59	12.73	12.86	13.00	13.14	13.28	13.42	13.55	13.69
100	13.83	13.97	14.11	14.25	14.38	14.52	14.66	14.80	14.94	15.08
110	15.21	15.35	15.49	15.63	15.76	15.90	16.04	16.18	16.32	16.46

NOTE: The chart above can be used to convert foot-pounds to meter-kilograms. Down the left side the foot-pound column increases from 0 to 110 ft.-lbs. in increments of 10 ft.-lbs. For additional ft.-lbs. increments use the top row of numbers. For example, if you want to know the conversion of 55 ft-lbs., locate the number 50 in the left column and the number 5 in the top row. You then read across and down to find the conversion of 7.61 mkgs.

Ft.-Lbs. x .1383 = Meter-Kilograms

Fastener	Type	Min. Tensile Strength	Material	Body Size or Outside Diameter of Fastener																														
				2	3	4	5	6	8	10	1/4	15/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/4	2 1/2	2 3/4	3
	SAE 0-1-2	74,000 PSI	Alloy Steel								6	12	20	32	47	69	96	155	206	310	480	675	900	1100	1470	1900	2360	2750	3450	4400	7350	9500
	SAE 3	100,000 PSI	Medium Carbon Steel								9	17	30	47	69	103	145	234	372	551	872	1211	1624	1943	2660	3463	4695	5427	7226	8049	13450	17548
	SAE 5	120,000 PSI	Medium Carbon Heat Treat Steel								10	19	33	54	78	114	154	257	382	587	794	1105	1500	1775	2425	3150	4200	4550	6550	7175	13000	16000
	SAE 6	133,000 PSI	Medium Carbon Steel Quenched Tempered								12.5	24	43	69	106	150	209	350	550	825	1304	1815	2424	2913	3985	5189	6980	7491	10825	14983	20151	26286
	SAE 7	133,000 PSI	Medium Carbon Alloy Steel								13	25	44	71	110	154	215	360	570	840	1325	1825	2500	3000	4000	5300	7000	7500	11000	15500	21000	27000
	SAE 8	150,000 PSI	Medium Carbon Alloy Steel								14	29	47	78	119	169	230	380	600	900	1430	1975	2650	3200	4400	5650	7600	8200	12000	17000	23000	29000
	Socket Head Cap Screw	160,000 PSI	Alloy Steel	TORQUE VALUES: All figures are foot-pounds except those marked with an asterisk (*), those indicate inch-pounds.							16	33	54	84	125	180	250	400	640	970	1520	2130	2850	3450	4700	6100	8200	8800	13000	18000	24000	31000
	Socket Set Screw	212,000 PSI	Alloy Steel					9*	16*	30*	70*	140*	18	29	43	63	100	146																
	Machine Screw Yellow Brass	60,000 PSI	Copper (CU) 63% Zinc (ZN) 37%	2*	3.3*	4.4*	6.4*	8*	16*	20*	65*	110*	17	27	37	49	78	104	160	215	325	400		595										
	Silicone Bronze Type "B"	70,000 PSI	Copper (CU) 96% Zinc (ZN) 2% Silicon (SI) 2%	2.3*	3.7*	4.9*	7.2*	10*	19*	22*	70*	125*	20	30	41	53	88	117	180	250	365	450		655										

STUDS
Use SAE 2, 5 or 8 values when grade is known, with a nut of sufficient strength.



There is no difference in the above chart between the torque figures for fine or coarse threads. The torque figures for a finely-threaded fastener as compared to a coarsely-threaded fastener of the same diameter may be slightly higher but not significant enough to note.

Courtesy of Petersen Publishing Company

SAFETY NOTICE: There are many varying factors which affect torque. The figures in this chart are safe figures for standard torque applications only.

In the International Metric System, there is a term for "force" called the "Newton," which is defined as "the force necessary to move one kilogram one meter per second." Therefore, with torque being "Force X Length," the International Metric System measure torque in "Newton meters" (N m).

From ft lb to N m

ft lb	0 N m	1 N m	2 N m	3 N m	4 N m	5 N m	6 N m	7 N m	8 N m	9 N m
0	0	1.36	2.71	4.07	5.42	6.78	8.13	9.49	10.84	12.20
10	13.56	14.91	16.27	17.62	18.98	20.33	21.69	23.05	24.40	25.76
20	27.11	28.47	29.83	31.18	32.54	33.89	35.25	36.61	37.97	39.32
30	40.67	42.02	43.38	44.73	46.09	47.45	48.80	50.16	51.51	52.87
40	54.22	55.58	56.94	58.29	59.65	61.00	62.36	63.71	65.07	66.42
50	67.78	69.14	70.49	71.85	73.20	74.56	75.91	77.27	78.62	79.98
60	81.33	82.69	84.05	85.40	86.76	88.11	89.47	90.83	92.18	93.54
70	94.89	96.25	97.60	98.96	100.31	101.67	103.03	104.38	105.74	107.09
80	108.45	109.80	111.16	112.51	113.87	115.23	116.58	117.94	119.29	120.65
90	122.00	123.36	124.72	126.07	127.43	128.78	130.14	131.49	132.85	134.20
100	135.56									

ft lb X 1.3558 = N m

From N m to ft lb

N m	0 ft lb	1 ft lb	2 ft lb	3 ft lb	4 ft lb	5 ft lb	6 ft lb	7 ft lb	8 ft lb	9 ft lb
0	0	.74	1.48	2.21	2.95	3.69	4.43	5.16	5.90	6.64
10	7.38	8.11	8.85	9.59	10.33	11.06	11.80	12.54	13.28	14.01
20	14.75	15.49	16.23	16.96	17.70	18.44	19.18	19.91	20.65	21.39
30	22.13	22.86	23.60	24.34	25.08	25.81	26.55	27.99	28.03	28.76
40	29.50	30.24	30.98	31.72	32.45	33.19	33.93	34.67	35.40	36.14
50	36.88	37.62	38.35	39.09	39.83	40.57	41.30	42.04	42.78	43.52
60	44.25	44.99	45.73	46.47	47.20	47.94	48.68	49.42	50.15	50.89
70	51.63	52.37	53.10	53.84	54.58	55.32	56.05	56.79	57.53	58.27
80	59.00	59.74	60.48	61.22	61.96	62.69	63.43	64.17	64.91	65.64
90	66.38	67.12	67.86	68.59	69.33	70.07	70.81	71.54	72.28	73.02
100	73.76									

1 N m = 0.73756 ft lb

From in lb to N m

in lb	0 N m	1 N m	2 N m	3 N m	4 N m	5 N m	6 N m	7 N m	8 N m	9 N m
0	0	.113	.226	.339	.452	.565	.678	.791	.904	1.02
10	1.13	1.24	1.36	1.47	1.58	1.70	1.81	1.92	2.03	2.15
20	2.26	2.37	2.49	2.60	2.71	2.83	2.94	3.05	3.16	3.28
30	3.39	3.50	3.62	3.73	3.84	3.96	4.07	4.18	4.29	4.41
40	4.52	4.63	4.75	4.86	4.97	5.09	5.20	5.31	5.42	5.54
50	5.65	5.76	5.88	5.99	6.10	6.22	6.33	6.44	6.55	6.67
60	6.78	6.89	7.01	7.12	7.23	7.35	7.46	7.57	7.68	7.80
70	7.91	8.02	8.14	8.25	8.36	8.48	8.59	8.70	8.81	8.93
80	9.04	9.15	9.27	9.38	9.49	9.61	9.72	9.83	9.94	10.06
90	10.17	10.28	10.40	10.51	10.62	10.74	10.85	10.96	11.07	11.19
100	11.30									

in lb X .1130 = N m

From N m to in lb

N m	0 in lb	1 in lb	2 in lb	3 in lb	4 in lb	5 in lb	6 in lb	7 in lb	8 in lb	9 in lb
0	0	8.85	17.70	26.55	35.40	44.25	53.10	61.95	70.81	79.66
10	88.51	97.36	106.21	115.06	123.91	132.76	141.61	150.46	159.31	168.16
20	177.01	185.86	194.72	203.57	212.42	221.27	230.12	238.98	247.82	256.67
30	265.52	274.38	283.22	292.07	300.92	309.77	318.62	327.48	336.33	345.18
40	354.03	362.88	371.73	380.58	389.43	398.28	407.13	415.98	424.83	433.68
50	442.53	451.36	460.24	469.09	477.94	486.79	495.64	504.49	513.34	522.19
60	531.04	539.89	548.74	557.59	566.44	575.30	584.15	592.10	601.85	610.70
70	619.55	628.40	637.25	646.10	654.95	663.80	672.65	681.50	690.35	699.20
80	708.06	716.91	725.76	734.61	743.46	752.31	761.16	770.01	778.86	787.71
90	796.56	805.41	814.26	823.12	831.97	840.82	849.67	858.52	867.37	876.22
100	885.07									

N m X 8.8507 = in lb

From in oz to N m

in oz	0 N m	1 N m	2 N m	3 N m	4 N m	5 N m	6 N m	7 N m	8 N m	9 N m
0	0	.007	.014	.021	.028	.035	.042	.049	.056	.064
10	.071	.078	.085	.092	.098	.106	.113	.120	.127	.134
20	.141	.148	.155	.162	.169	.177	.184	.191	.198	.205
30	.212	.219	.226	.232	.240	.247	.254	.261	.268	.275
40	.282	.289	.297	.304	.312	.318	.325	.332	.339	.346
50	.353	.360	.367	.374	.381	.388	.395	.402	.409	.417
60	.424	.431	.438	.445	.452	.459	.466	.473	.480	.487
70	.494	.501	.508	.515	.522	.530	.537	.544	.551	.558
80	.565	.572	.579	.586	.593	.600	.607	.624	.621	.628
90	.635	.642	.650	.657	.664	.671	.678	.685	.692	.699
100	.706									

in oz X .00706 = N m

From N m to in oz

N m	0 in oz	1 in oz	2 in oz	3 in oz	4 in oz	5 in oz	6 in oz	7 in oz	8 in oz	9 in oz
0	0	1.42	2.83	4.25	5.66	7.08	8.50	9.91	11.33	12.74
.1	14.16	15.58	16.99	18.41	19.83	21.24	22.66	24.07	25.49	26.91
.2	28.32	29.74	31.15	32.57	33.99	35.40	36.82	38.23	39.65	41.07
.3	42.48	43.90	45.32	46.73	48.15	49.56	50.98	52.40	53.81	55.23
.4	56.64	58.06	59.48	60.89	62.31	63.72	65.14	66.56	67.97	69.39
.5	70.81	72.22	73.64	75.05	76.47	77.89	79.30	80.72	82.13	83.55
.6	84.97	86.41	87.80	89.21	90.63	92.05	93.46	94.88	96.30	97.71
.7	99.13	100.54	101.96	103.38	104.79	106.21	107.62	109.04	110.46	111.87
.8	113.29	114.70	116.12	117.54	118.95	120.37	121.79	123.20	124.62	126.03
.9	127.45	128.87	130.28	131.70	133.11	134.53	135.95	137.36	138.78	140.19
1.0	141.61									

.01 N m X 141.6112 = .01 in oz

From m kg to N m

m kg	0 N m	1 N m	2 N m	3 N m	4 N m	5 N m	6 N m	7 N m	8 N m	9 N m
0	0	9.81	19.61	29.42	39.23	49.03	58.84	68.65	78.45	88.26
10	98.07	107.87	117.68	127.49	137.30	147.10	156.90	166.71	176.52	186.33
20	196.13	205.94	215.75	225.55	235.36	245.17	254.98	264.78	274.59	284.40
30	294.20	304.00	313.81	323.62	333.43	343.23	353.04	362.85	372.65	382.46
40	392.27	402.07	411.88	421.69	431.49	441.30	451.11	460.91	470.72	480.53
50	490.33	500.14	509.95	519.75	529.56	539.37	549.17	558.98	568.79	578.60
60	588.40	598.21	608.01	617.82	627.63	637.43	647.24	657.05	666.86	676.66
70	686.47	696.27	706.08	715.89	725.70	735.50	745.30	755.11	764.92	774.73
80	784.53	794.34	804.15	813.95	823.76	833.57	843.37	853.18	862.99	872.79
90	882.60	892.41	902.21	912.02	921.83	931.63	941.44	951.25	961.05	970.86
100	980.67									

m kg (or m kp) = 9.80665 N m

From N m to m kg

N m	0 m kg	1 m kg	2 m kg	3 m kg	4 m kg	5 m kg	6 m kg	7 m kg	8 m kg	9 m kg
0	0	.102	.204	.306	.408	.510	.611	.714	.816	.918
10	1.020	1.122	1.224	1.326	1.428	1.530	1.632	1.733	1.835	1.937
20	2.039	2.141	2.243	2.345	2.447	2.549	2.651	2.753	2.855	2.957
30	3.059	3.161	3.263	3.365	3.467	3.569	3.671	3.773	3.875	3.977
40	4.079	4.181	4.283	4.385	4.487	4.589	4.691	4.793	4.895	4.997
50	5.099	5.200	5.302	5.404	5.506	5.608	5.710	5.812	5.914	6.016
60	6.118	6.220	6.322	6.424	6.526	6.628	6.730	6.832	6.934	7.036
70	7.138	7.240	7.342	7.444	7.546	7.648	7.750	7.852	7.954	8.056
80	8.158	8.260	8.362	8.464	8.565	8.667	8.769	8.871	8.973	9.075
90	9.177	9.279	9.381	9.483	9.585	9.687	9.789	9.891	9.993	10.095
100	10.197									

N m X .10197 = m kg (or m kp)

NOTE: A meter kilogram is equal to a meter kilopond. (1m kg = 1m kp)

From in lb to in oz

in lb	0 in oz	1 in oz	2 in oz	3 in oz	4 in oz	5 in oz	6 in oz	7 in oz	8 in oz	9 in oz
0	0	16	32	48	64	80	96	112	128	144
10	160	176	192	208	224	240	256	272	288	304
20	320	336	352	368	384	400	416	432	448	464
30	480	496	512	528	544	560	576	592	608	624
40	640	656	672	688	704	720	736	752	768	784
50	800	816	832	848	864	880	896	912	928	944
60	960	976	992	1008	1024	1040	1056	1072	1088	1104
70	1120	1236	1152	1168	1184	1200	1216	1232	1248	1264
80	1280	1296	1312	1328	1344	1360	1376	1392	1408	1424
90	1440	1456	1472	1488	1504	1520	1536	1552	1568	1584
100	1600									

in lb X 16 = in oz

From in oz to in lb

in oz	0 in lb	1 in lb	2 in lb	3 in lb	4 in lb	5 in lb	6 in lb	7 in lb	8 in lb	9 in lb
0	0	.063	.125	.188	.250	.313	.375	.438	.500	.563
10	.625	.688	.750	.813	.875	.938	1.000	1.063	1.125	1.188
20	1.250	1.313	1.375	1.438	1.500	1.563	1.625	1.688	1.750	1.813
30	1.875	1.938	2.000	2.063	2.125	2.188	2.250	2.313	2.375	2.438
40	2.500	2.563	2.625	2.688	2.750	2.813	2.875	2.938	3.000	3.063
50	3.125	3.188	3.250	3.313	3.375	3.438	3.500	3.563	3.625	3.688
60	3.750	3.813	3.875	3.938	4.000	4.063	4.125	4.188	4.250	4.313
70	4.375	4.438	4.500	4.563	4.625	4.688	4.750	4.813	4.875	4.938
80	5.000	5.063	5.125	5.188	5.250	5.313	5.375	5.438	5.500	5.563
90	5.625	5.688	5.750	5.813	5.875	5.938	6.000	6.063	6.125	6.188
100	6.250									

in oz ÷ 16 = in lb

From ft lb to in lb

ft lb	0 in lb	1 in lb	2 in lb	3 in lb	4 in lb	5 in lb	6 in lb	7 in lb	8 in lb	9 in lb
0	0	12	24	36	48	60	72	84	96	108
10	120	132	144	156	168	180	192	204	216	228
20	240	252	264	276	288	300	312	324	336	348
30	360	372	384	396	408	420	432	444	456	468
40	480	492	504	516	528	540	552	564	576	588
50	600	612	624	636	648	660	672	684	696	708
60	720	732	744	756	768	780	792	804	816	828
70	840	852	864	876	888	900	912	924	936	948
80	960	972	984	996	1008	1020	1032	1044	1056	1068
90	1080	1092	1104	1116	1128	1140	1152	1164	1176	1188
100	1200									

ft lb X 12 = in lb

From in lb to ft lb

in lb	0 ft lb	1 ft lb	2 ft lb	3 ft lb	4 ft lb	5 ft lb	6 ft lb	7 ft lb	8 ft lb	9 ft lb
0	0	.083	.167	.250	.333	.417	.500	.583	.667	.750
10	.833	.917	1.000	1.083	1.167	1.250	1.333	1.417	1.500	1.583
20	1.667	1.750	1.833	1.917	2.000	2.083	2.167	2.250	2.333	2.417
30	2.500	2.583	2.667	2.750	2.833	2.917	3.000	3.083	3.167	3.250
40	3.333	3.417	3.500	3.583	3.667	3.750	3.833	3.917	4.000	4.083
50	4.167	4.250	4.333	4.417	4.500	4.583	4.667	4.750	4.833	4.917
60	5.000	5.083	5.167	5.250	5.333	5.417	5.500	5.583	5.667	5.750
70	5.833	5.917	6.000	6.083	6.167	6.250	6.333	6.417	6.500	6.583
80	6.667	6.750	6.833	6.917	7.000	7.083	7.167	7.250	7.333	7.417
90	7.500	7.583	7.667	7.750	7.833	7.917	8.000	8.083	8.167	8.250
100	8.333									

in lb ÷ 12 = ft lb

From in lb to cm kg

in lb	0 cm kg	1 cm kg	2 cm kg	3 cm kg	4 cm kg	5 cm kg	6 cm kg	7 cm kg	8 cm kg	9 cm kg
0	0	1.152	2.304	3.456	4.608	5.760	6.912	8.064	9.217	10.36
10	11.52	12.67	13.83	14.97	16.13	17.28	18.43	19.59	20.74	21.89
20	23.04	24.19	25.35	26.49	27.65	28.80	29.96	31.07	32.26	33.41
30	34.56	35.71	36.87	38.02	39.17	40.32	41.47	42.62	43.77	44.93
40	46.09	47.23	48.39	49.54	50.69	51.85	52.99	54.14	55.29	56.45
50	57.61	58.75	59.90	61.06	62.21	63.37	64.51	65.66	66.81	67.96
60	69.13	70.27	71.42	72.57	73.73	74.89	76.03	77.18	78.33	79.49
70	80.65	81.79	82.94	84.05	85.21	86.41	87.58	88.75	89.91	91.00
80	92.17	93.32	94.49	95.66	96.83	97.93	99.08	100.2	101.4	102.6
90	103.7	104.9	106.1	107.2	108.3	109.5	110.7	111.8	112.9	114.1
100	115.2									

in lb X 1.152 = cm kg

From cm kg to in lb

cm kg	0 in lb	1 in lb	2 in lb	3 in lb	4 in lb	5 in lb	6 in lb	7 in lb	8 in lb	9 in lb
0	0	.868	1.735	2.603	3.471	4.339	5.206	6.074	6.942	7.809
10	8.677	9.545	10.412	11.280	12.148	13.016	13.883	14.751	15.619	16.486
20	17.354	18.222	19.089	19.957	20.825	21.693	22.560	23.428	24.296	25.163
30	26.031	26.899	27.766	28.634	29.502	30.370	31.237	32.105	32.973	33.840
40	34.708	35.576	36.443	37.311	38.179	39.047	39.914	40.782	41.650	42.517
50	43.385	44.253	45.120	45.988	46.856	47.724	48.591	49.459	50.327	51.194
60	52.062	52.930	53.797	54.665	55.533	56.401	57.268	58.136	59.004	59.871
70	60.739	61.607	62.474	63.342	64.010	65.078	65.945	66.813	67.681	68.548
80	69.416	70.284	71.151	72.019	72.887	73.754	74.622	75.490	76.358	77.225
90	78.093	78.961	79.828	80.670	81.564	82.432	83.299	84.167	85.035	85.902
100	86.770									

cm kg X .8677 = in lb

From ft lb to m kg

ft lb	0 m kg	1 m kg	2 m kg	3 m kg	4 m kg	5 m kg	6 m kg	7 m kg	8 m kg	9 m kg
0	0	.138	.276	.415	.553	.691	.830	.968	1.106	1.245
10	1.383	1.521	1.660	1.798	1.936	2.074	2.212	2.351	2.489	2.628
20	2.766	2.904	3.043	3.181	3.319	3.457	3.596	3.734	3.872	4.011
30	4.149	4.287	4.426	4.564	4.702	4.840	4.979	5.117	5.255	5.394
40	5.532	5.670	5.809	5.947	6.085	6.223	6.362	6.500	6.638	6.777
50	6.915	7.053	7.191	7.330	7.468	7.606	7.745	7.883	8.021	8.159
60	8.298	8.436	8.574	8.713	8.851	8.989	9.128	9.266	9.404	9.543
70	9.681	9.819	9.957	10.09	10.23	10.37	10.51	10.65	10.79	10.92
80	11.06	11.20	11.34	11.48	11.62	11.75	11.89	12.03	12.17	12.31
90	12.45	12.59	12.73	12.86	13.00	13.14	13.28	13.42	13.55	13.69
100	13.83									

ft lb X .1383 = m kg

From m kg to ft lb

m kg	0 ft lb	1 ft lb	2 ft lb	3 ft lb	4 ft lb	5 ft lb	6 ft lb	7 ft lb	8 ft lb	9 ft lb
0	0	7.23	14.47	21.70	28.93	36.17	43.40	50.63	57.86	65.10
10	72.4	79.6	86.8	94.0	101.3	108.5	115.7	123.0	130.2	137.4
20	144.7	151.9	159.1	166.4	173.6	180.8	188.1	195.3	202.5	209.8
30	217.0	224.2	231.5	238.7	245.9	253.2	260.4	267.6	274.9	284.1
40	289.3	296.6	303.9	311.0	318.3	325.5	332.7	340.0	347.2	354.4
50	361.7	368.9	376.1	383.3	390.6	397.8	405.0	412.3	419.5	426.7
60	434.0	441.2	448.4	455.7	462.9	470.1	477.4	484.6	491.8	499.1
70	506.3	513.5	520.8	528.0	535.2	542.5	549.7	556.9	564.2	571.4
80	578.6	585.9	593.1	600.3	607.6	614.8	622.0	629.3	636.5	643.7
90	651.0	658.2	665.4	672.7	679.9	687.1	694.4	701.6	708.8	716.1
100	723.3									

m kg X 7.233 = ft lb

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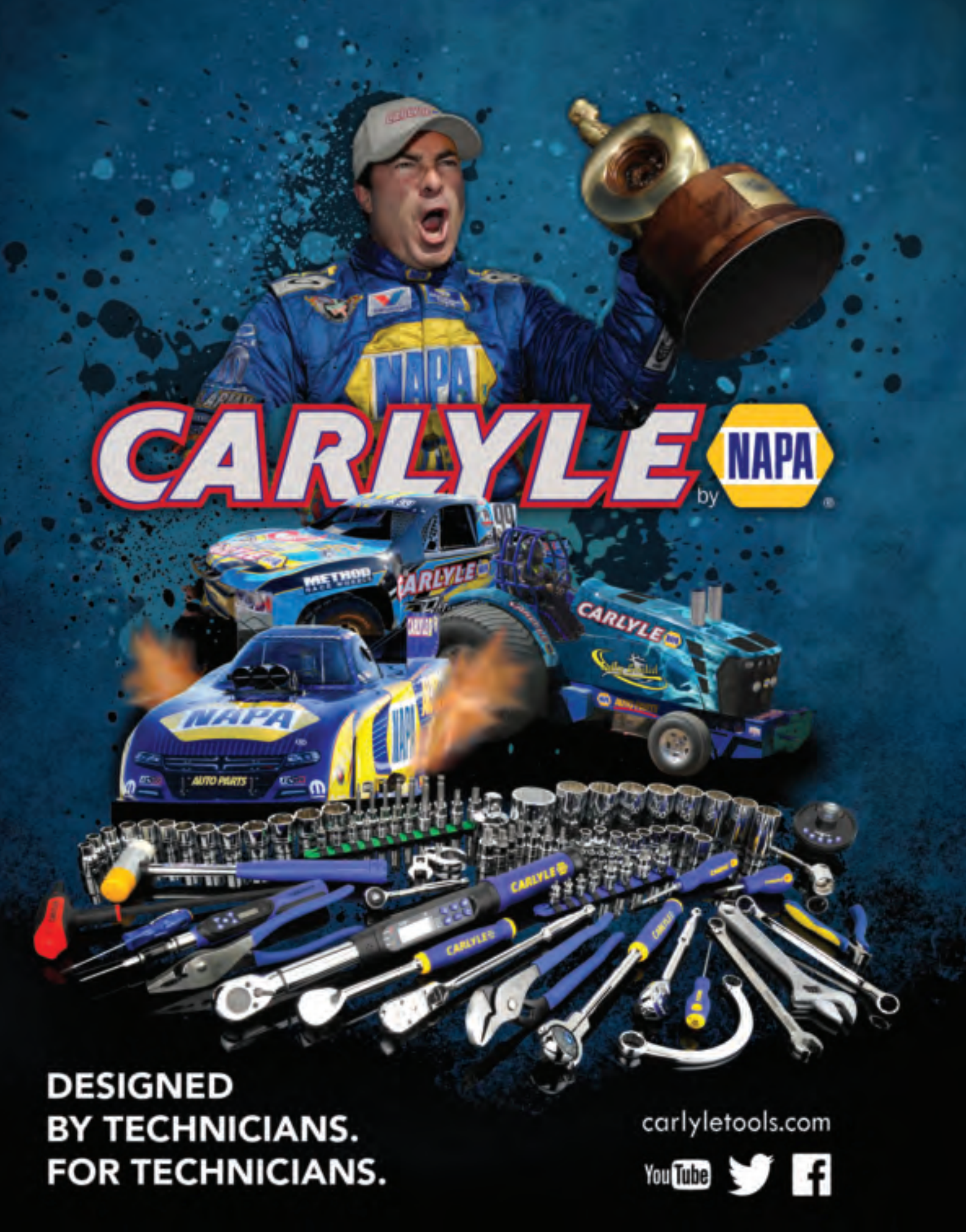
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